

Data File : VW015387.D
Acq On : 04 May 2020 15:17
Operator : SY/VA
Sample : VSTD050
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD05005

Quant Time: May 04 15:51:48 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM050420S.M
Quant Title : VOC Analysis
QLast Update : Mon May 04 15:24:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	346298	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	325496	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	158103	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	222394	88.20	ug/L	0.00
7) Chloroethane-d5	2.89	69	214580	73.11	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	437174	68.61	ug/L	0.00
20) 2-Butanone-d5	7.07	46	118664	153.13	ug/L	0.00
24) Chloroform-d	7.65	84	449445	59.02	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	246681	62.93	ug/L	0.00
29) Benzene-d6	8.27	84	889730	59.34	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	268428	63.98	ug/L	0.00
37) Toluene-d8	10.32	98	857865	56.06	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	122525	57.06	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	100893	131.70	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	205577	57.89	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	276490	50.32	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	153829	47.159	ug/L	100
3) Chloromethane	2.21	50	158498	59.344	ug/L	98
5) Vinyl chloride	2.37	62	251066	77.849	ug/L	99
6) Bromomethane	2.78	94	167591	55.288	ug/L	100
8) Chloroethane	2.93	64	168252	67.231	ug/L	99
9) Trichlorofluoromethane	3.26	101	180584	47.811	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	208905	52.385	ug/L	99
12) 1,1-Dichloroethene	4.03	96	204377	52.459	ug/L	94
13) Acetone	4.12	43	79426	121.692	ug/L	100
14) Carbon disulfide	4.38	76	620397	58.339	ug/L	99
15) Methyl Acetate	4.67	43	93440	71.785	ug/L	99
16) Methylene chloride	4.92	84	212838	48.261	ug/L	97
17) Methyl tert-butyl Ether	5.42	73	334695	58.094	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	225717	52.880	ug/L	99
19) 1,1-Dichloroethane	6.21	63	427196	64.258	ug/L	100
21) 2-Butanone	7.17	43	124305	125.923	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	248013	53.807	ug/L	96
23) Bromochloromethane	7.51	128	104172	47.072	ug/L	95
25) Chloroform	7.67	83	423737	56.036	ug/L	100
27) 1,2-Dichloroethane	8.40	62	287937	60.039	ug/L	99
30) Cyclohexane	7.95	56	415024	66.600	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	358248	51.159	ug/L	99
32) Carbon tetrachloride	8.07	117	328528	48.518	ug/L	100
34) Benzene	8.32	78	935676	56.086	ug/L	100
35) Trichloroethene	9.09	95	249005	51.881	ug/L	99
36) Methylcyclohexane	9.34	83	441460	54.562	ug/L	100
40) 1,2-Dichloropropane	9.37	63	237195	62.652	ug/L	100
41) Bromodichloromethane	9.64	83	318989	55.045	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	388341	58.586	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	295006	115.552	ug/L	100

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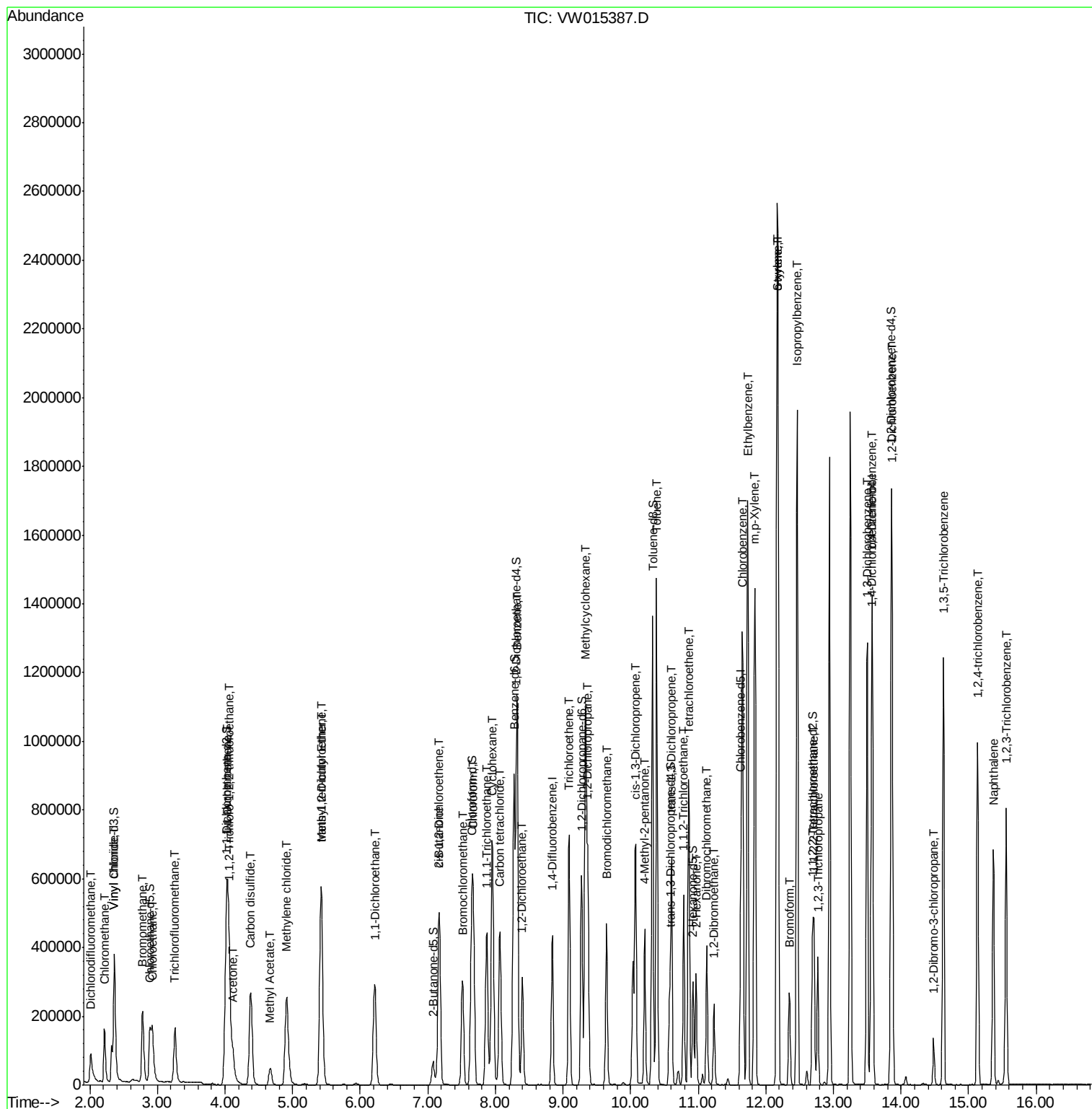
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.38	91	1045648	54.007	ug/L	96
45) trans-1,3-Dichloropropene	10.60	75	342752	58.174	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	165797	51.025	ug/L	97
47) Tetrachloroethene	10.86	164	189442	41.373	ug/L	97
49) 2-Hexanone	10.97	43	203922	145.890	ug/L	99
50) Dibromochloromethane	11.13	129	206677	47.032	ug/L	95
51) 1,2-Dibromoethane	11.23	107	159759	49.314	ug/L	95
52) Chlorobenzene	11.65	112	647320	49.609	ug/L	97
53) Ethylbenzene	11.73	91	1199793	53.580	ug/L	97
54) m,p-Xylene	11.84	106	455844	51.425	ug/L	98
55) o-xylene	12.16	106	445816	52.423	ug/L	95
56) Styrene	12.18	104	772784	54.126	ug/L	98
57) Isopropylbenzene	12.46	105	1227637	53.017	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	201710	55.811	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	151709	57.558	ug/L	99
62) Bromoform	12.35	173	120236	46.275	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	509172	50.682	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	493927	49.694	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	447030	49.565	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	35788	60.648	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	353502	45.517	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	306703	48.050	ug/L	95
69) Naphthalene	15.36	128	567563	53.185	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	258853	46.962	ug/L	100

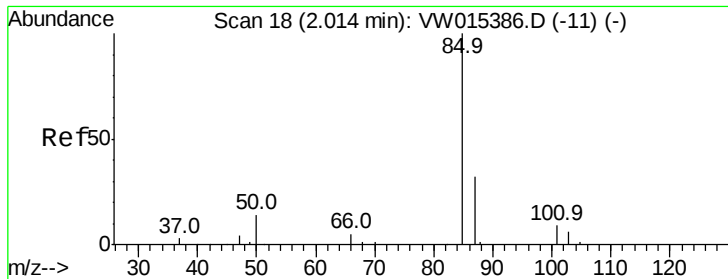
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 47.159 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015387.D

Acq: 04 May 2020 15:17

Instrument :

MSVOA_W

ClientSampleId :

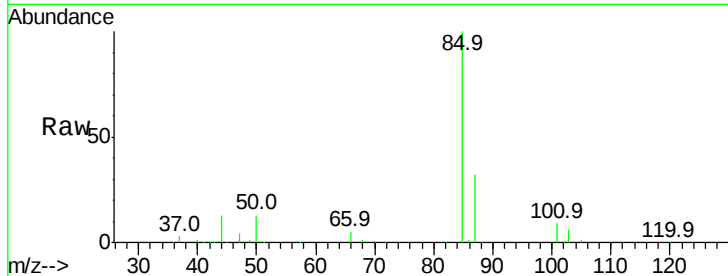
VSTD05005

Tgt Ion: 85 Resp: 153829

Ion Ratio Lower Upper

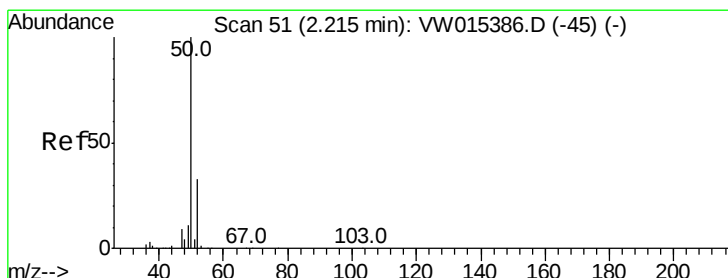
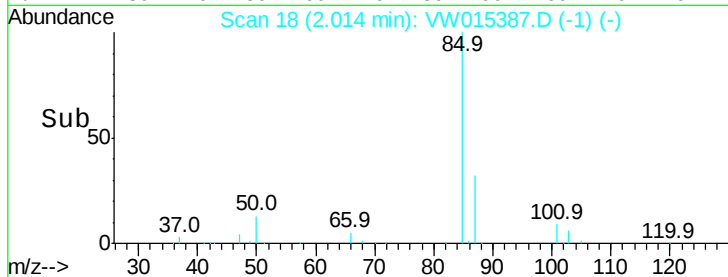
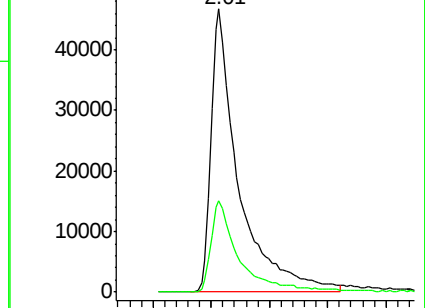
85 100

87 30.2 21.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 59.344 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015387.D

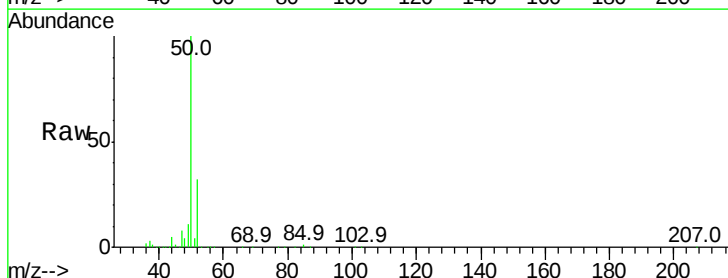
Acq: 04 May 2020 15:17

Tgt Ion: 50 Resp: 158498

Ion Ratio Lower Upper

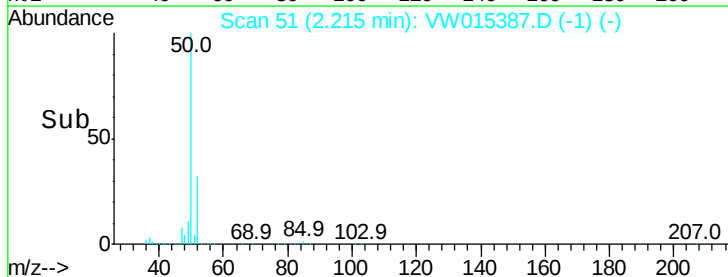
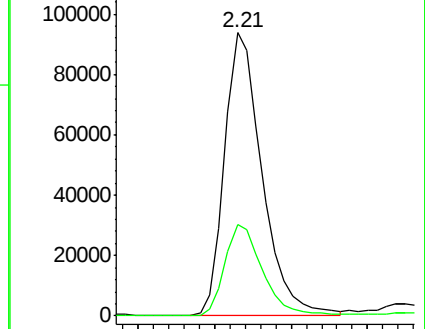
50 100

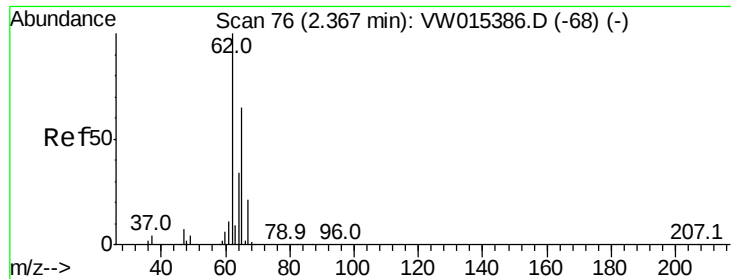
52 32.1 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 77.849 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015387.D

Acq: 04 May 2020 15:17

Instrument :

MSVOA_W

ClientSampleId :

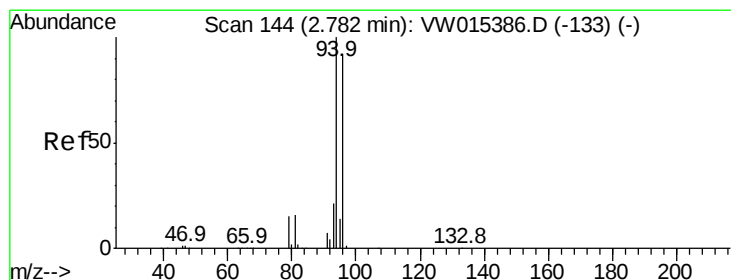
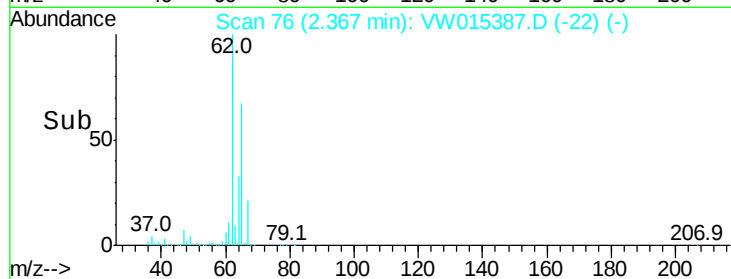
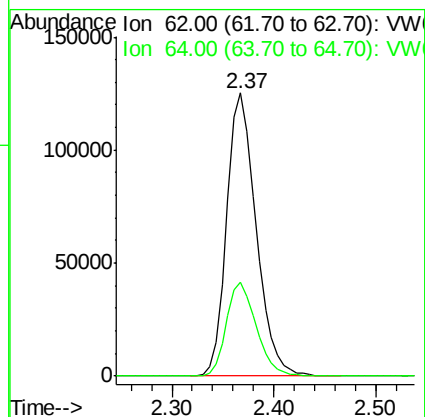
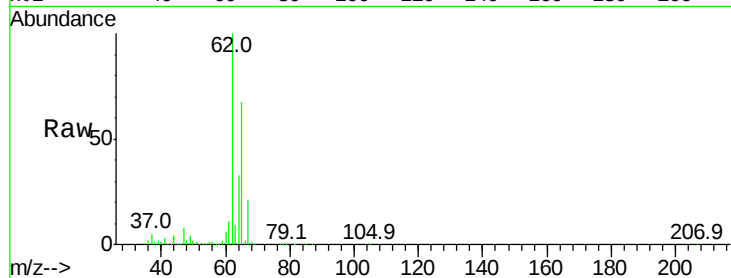
VSTD05005

Tgt Ion: 62 Resp: 251066

Ion Ratio Lower Upper

62 100

64 33.1 23.7 44.1



#6

Bromomethane

Concen: 55.288 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW015387.D

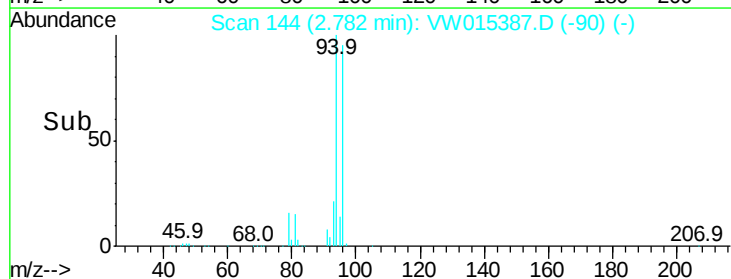
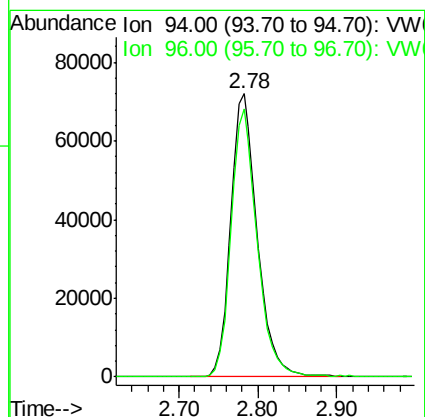
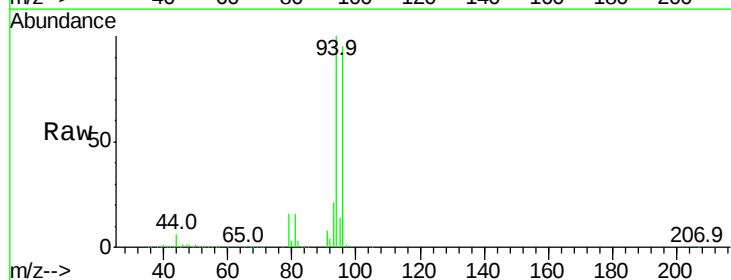
Acq: 04 May 2020 15:17

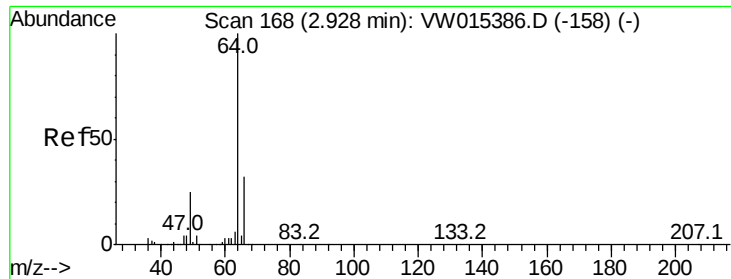
Tgt Ion: 94 Resp: 167591

Ion Ratio Lower Upper

94 100

96 93.2 9.3 177.7





#8

Chloroethane

Concen: 67.231 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW015387.D

Acq: 04 May 2020 15:17

Instrument :

MSVOA_W

ClientSampleId :

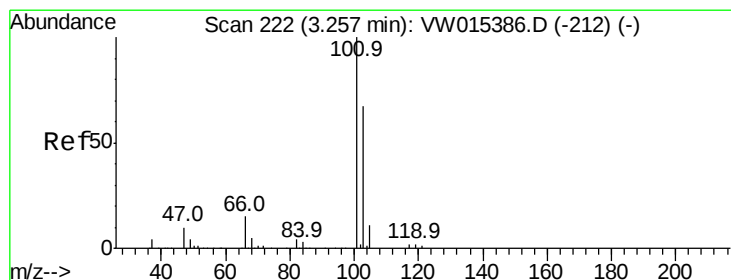
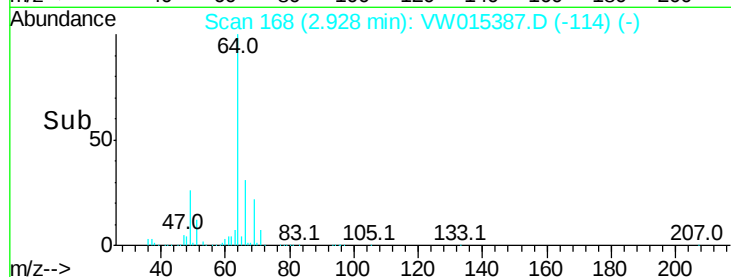
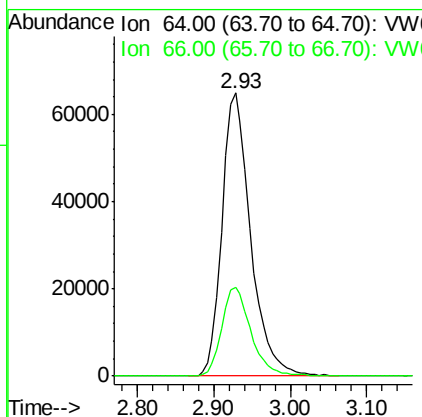
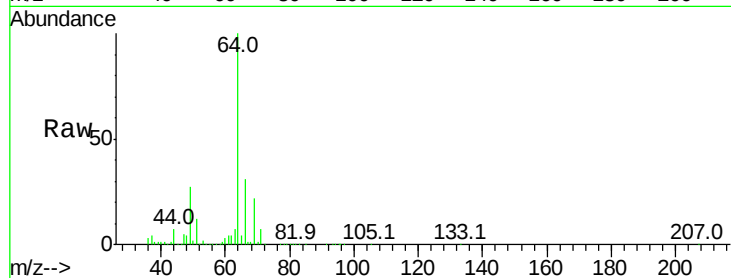
VSTD05005

Tgt Ion: 64 Resp: 168252

Ion Ratio Lower Upper

64 100

66 31.4 22.3 41.3



#9

Trichlorofluoromethane

Concen: 47.811 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW015387.D

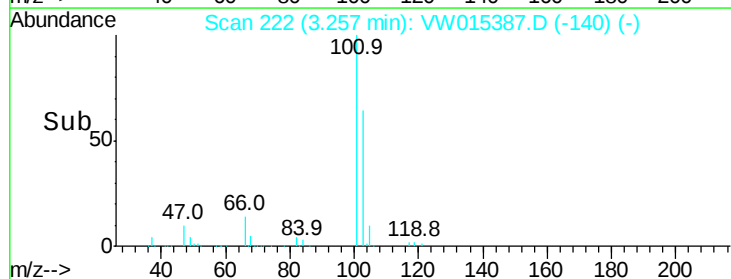
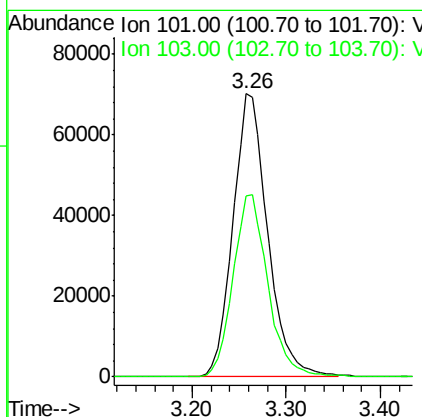
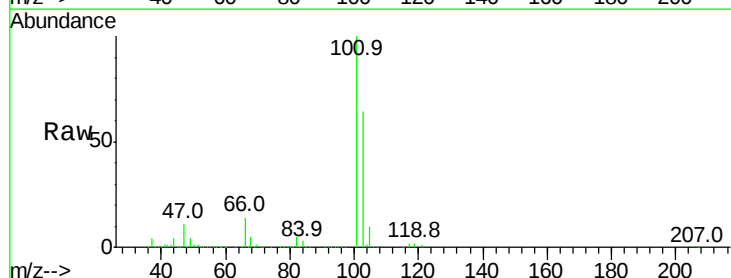
Acq: 04 May 2020 15:17

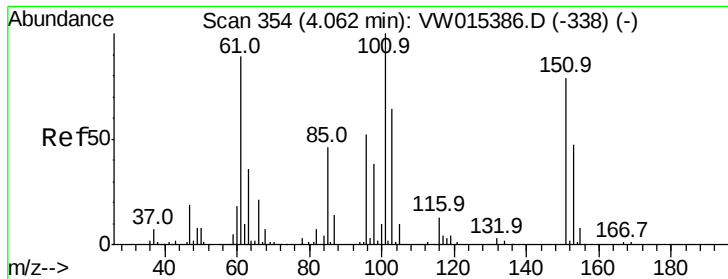
Tgt Ion: 101 Resp: 180584

Ion Ratio Lower Upper

101 100

103 64.6 45.5 84.5





#11

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

Concen: 52.385 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW015387.D

Acq: 04 May 2020 15:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD05005

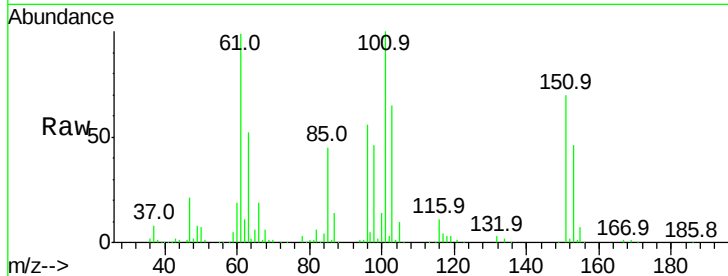
Tgt Ion: 101 Resp: 208905

Ion Ratio Lower Upper

101 100

85 44.8 36.0 54.0

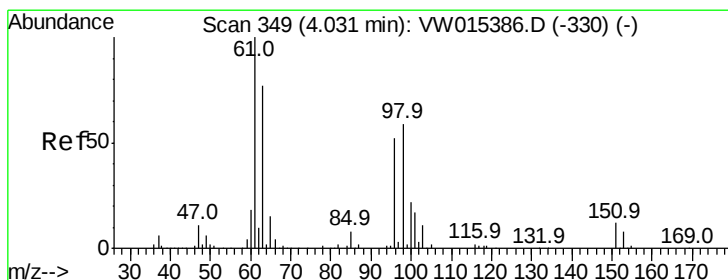
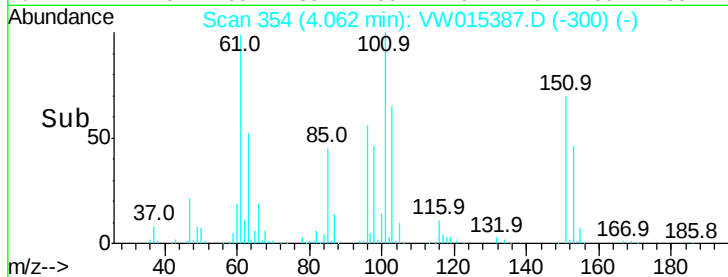
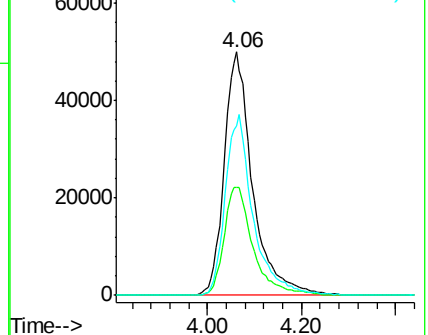
151 72.1 57.1 85.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 52.459 ug/L

RT: 4.03 min Scan# 349

Delta R.T. 0.00 min

Lab File: VW015387.D

Acq: 04 May 2020 15:17

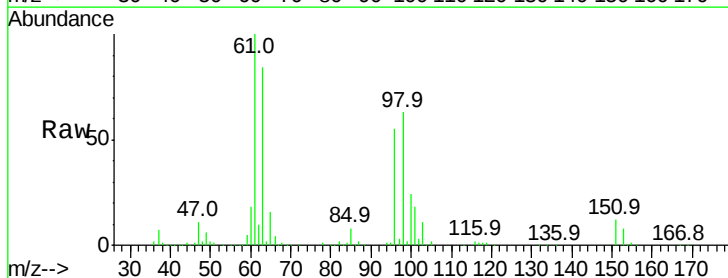
Tgt Ion: 96 Resp: 204377

Ion Ratio Lower Upper

96 100

61 182.9 135.9 252.5

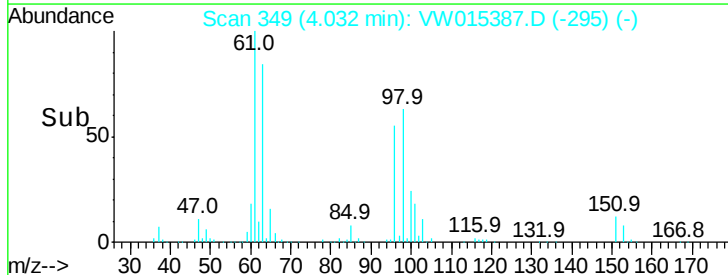
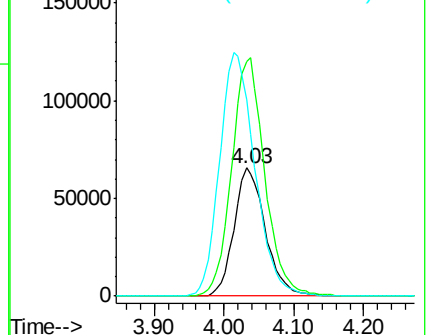
63 152.7 104.4 194.0

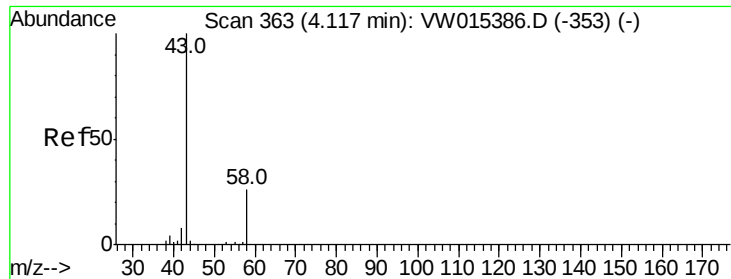


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 121.692 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

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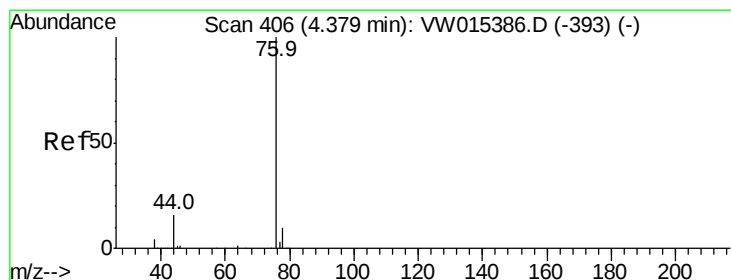
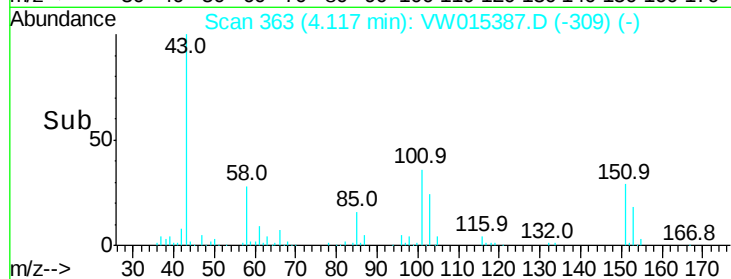
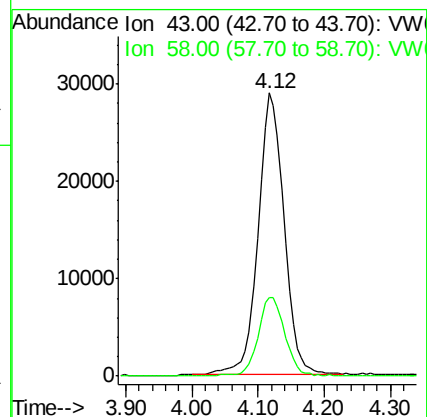
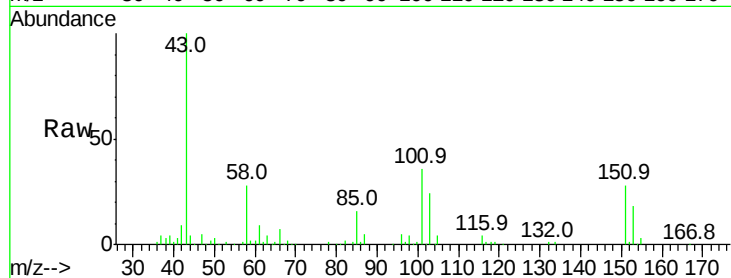
VSTD05005

Tgt Ion: 43 Resp: 79426

Ion Ratio Lower Upper

43 100

58 28.4 0.0 57.0



#14

Carbon disulfide

Concen: 58.339 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW015387.D

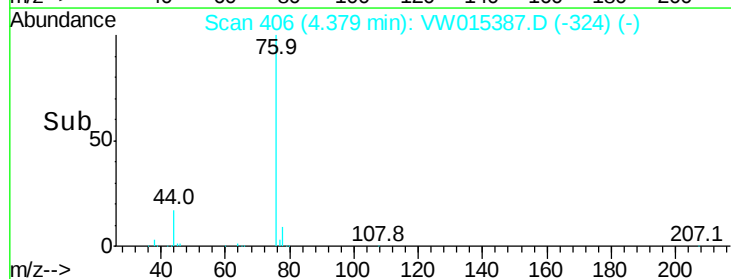
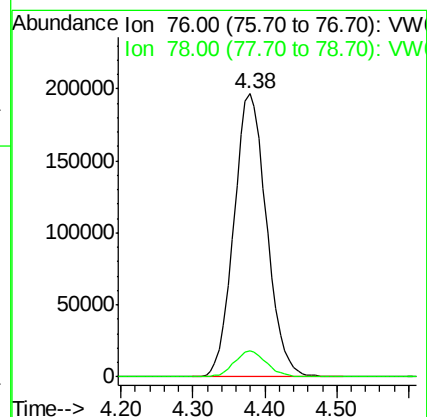
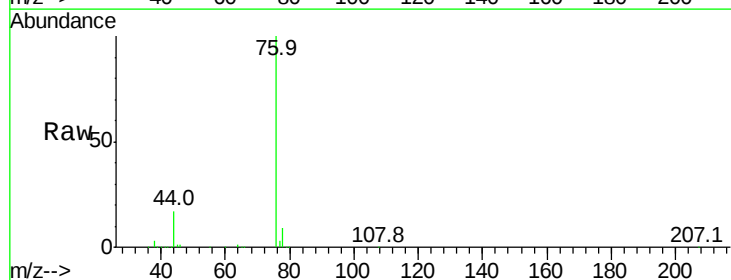
Acq: 04 May 2020 15:17

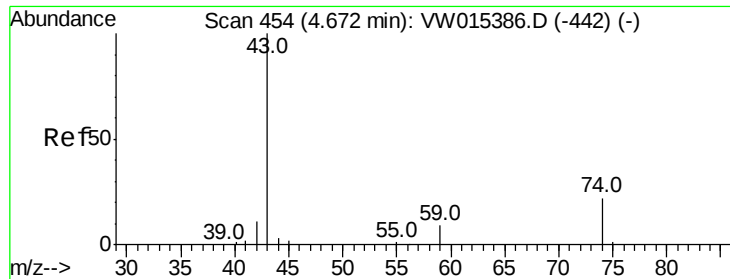
Tgt Ion: 76 Resp: 620397

Ion Ratio Lower Upper

76 100

78 9.2 7.6 11.4

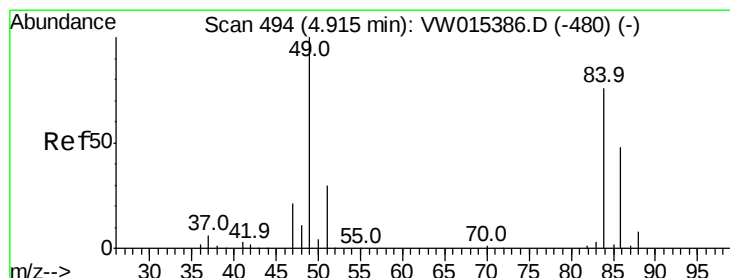
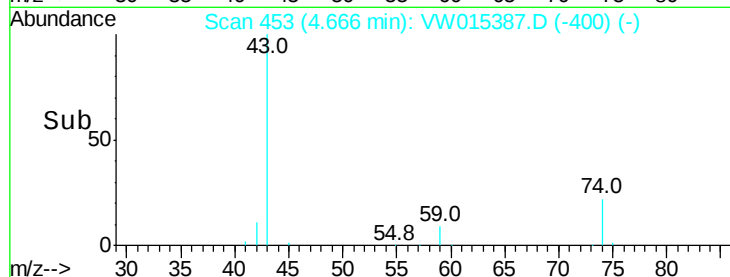
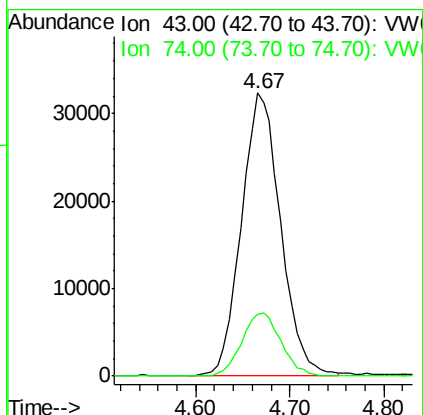
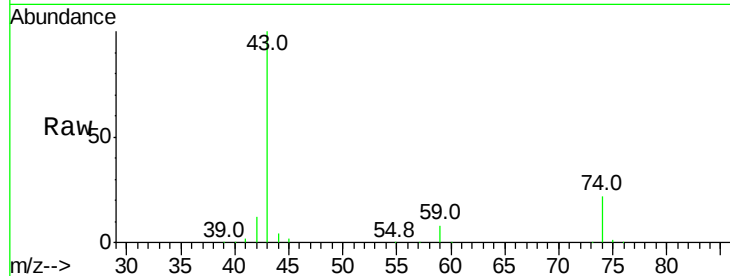




#15
Methyl Acetate
Concen: 71.785 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW015387.D
Acq: 04 May 2020 15:17

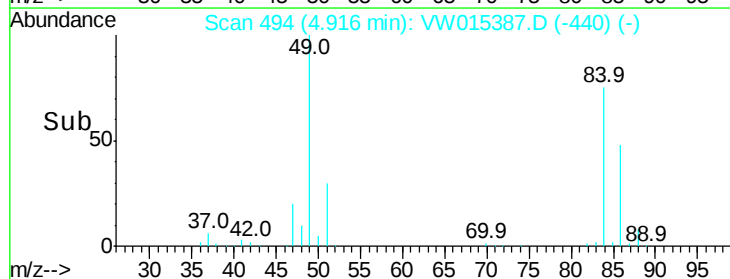
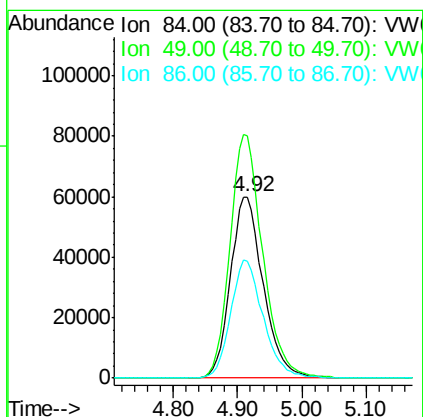
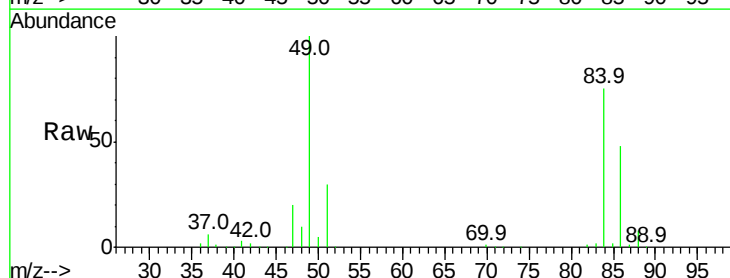
Instrument :
MSVOA_W
ClientSampleId :
VSTD05005

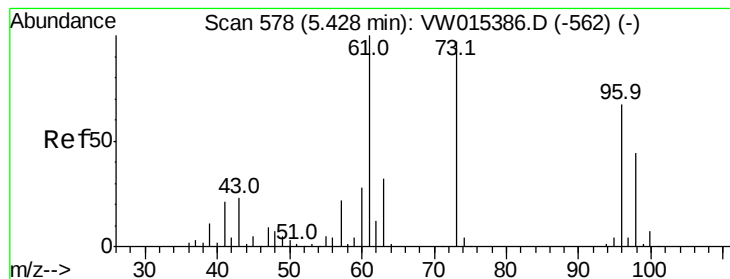
Tgt Ion: 43 Resp: 93440
Ion Ratio Lower Upper
43 100
74 22.6 17.8 26.6



#16
Methylene chloride
Concen: 48.261 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW015387.D
Acq: 04 May 2020 15:17

Tgt Ion: 84 Resp: 212838
Ion Ratio Lower Upper
84 100
49 134.2 91.6 170.2
86 64.8 44.0 81.8





#17

Methyl tert-butyl Ether

Concen: 58.094 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW015387.D

Acq: 04 May 2020 15:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD05005

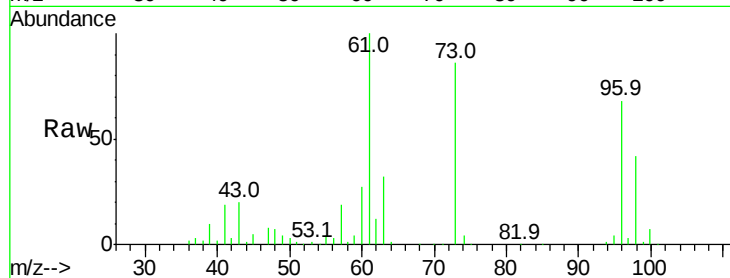
Tgt Ion: 73 Resp: 334695

Ion Ratio Lower Upper

73 100

43 23.9 19.3 28.9

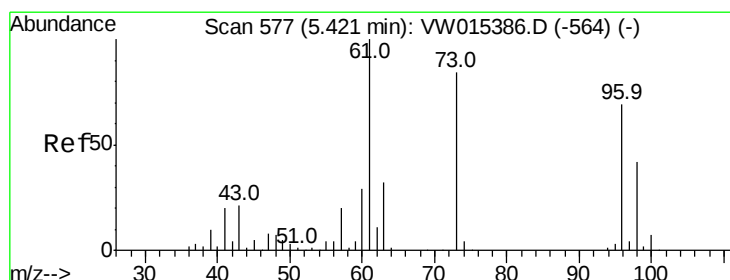
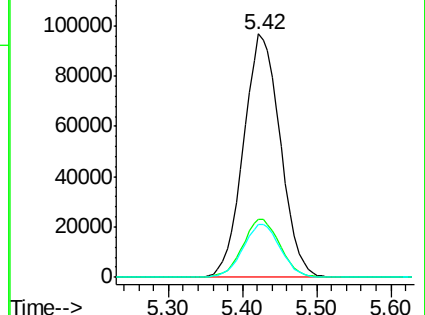
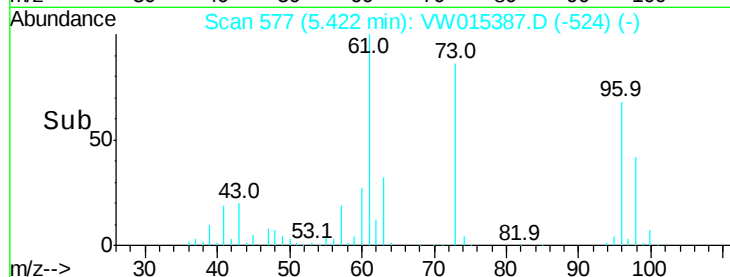
57 22.2 18.1 27.1



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: 52.880 ug/L

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW015387.D

Acq: 04 May 2020 15:17

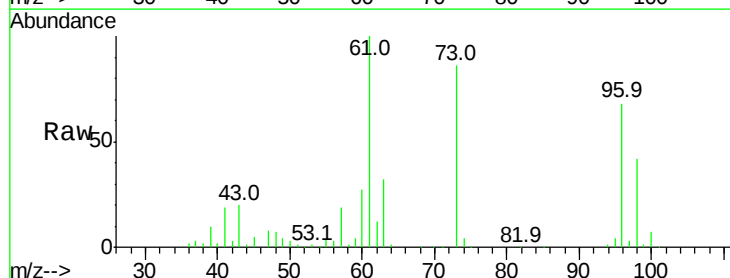
Tgt Ion: 96 Resp: 225717

Ion Ratio Lower Upper

96 100

61 146.3 101.1 187.7

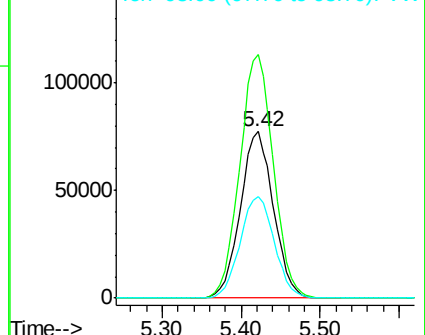
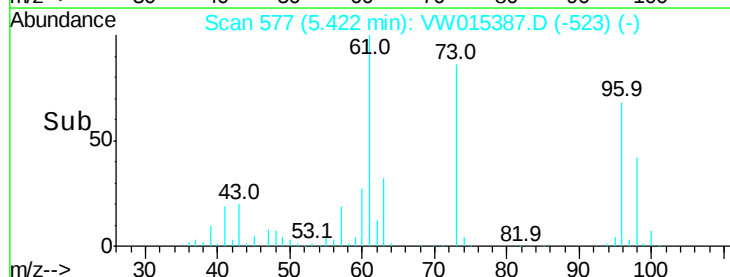
98 61.3 42.4 78.8

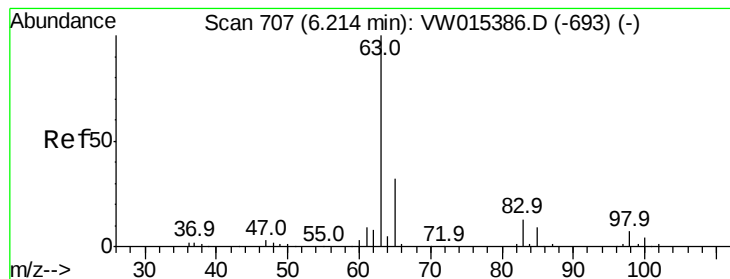


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW





#19

1,1-Dichloroethane

Concen: 64.258 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW015387.D

Acq: 04 May 2020 15:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD05005

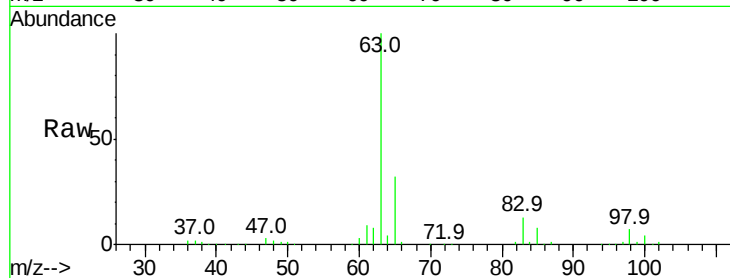
Tgt Ion: 63 Resp: 427196

Ion Ratio Lower Upper

63 100

65 32.0 22.6 42.0

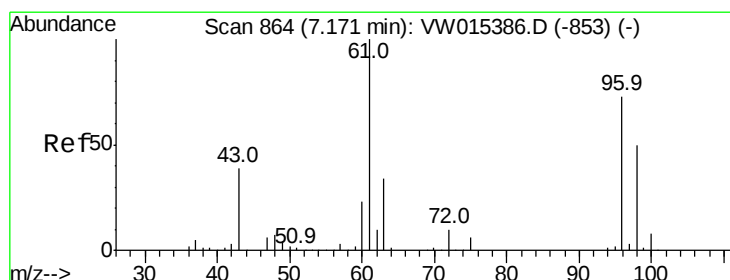
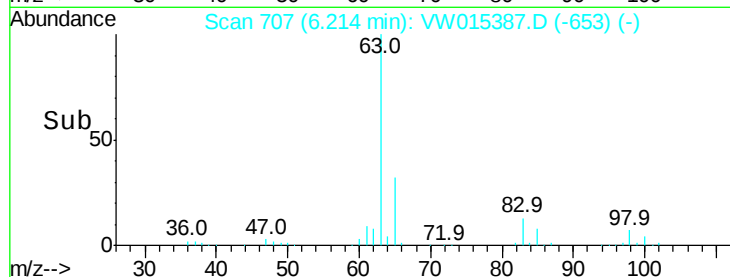
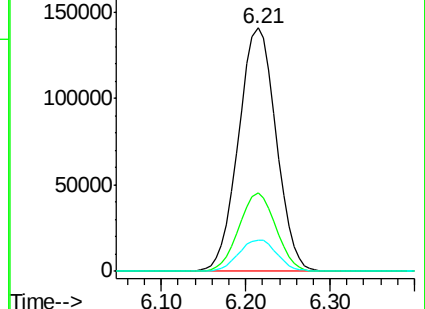
83 13.1 9.1 16.9



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: 125.923 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW015387.D

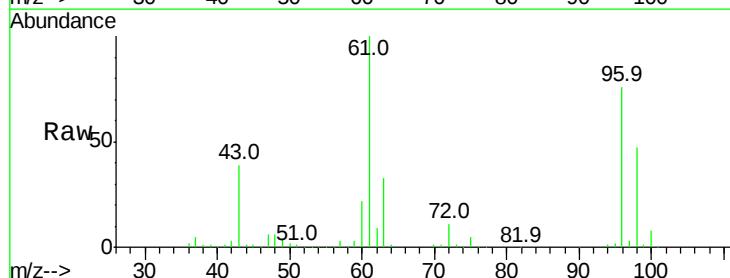
Acq: 04 May 2020 15:17

Tgt Ion: 43 Resp: 124305

Ion Ratio Lower Upper

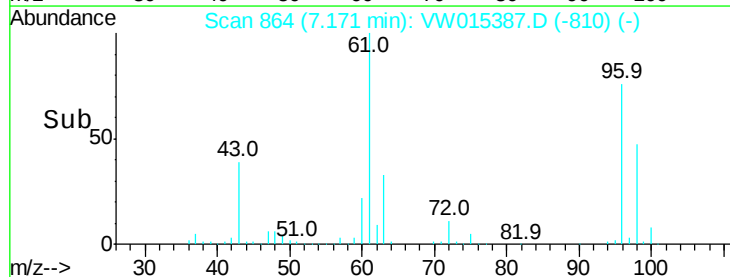
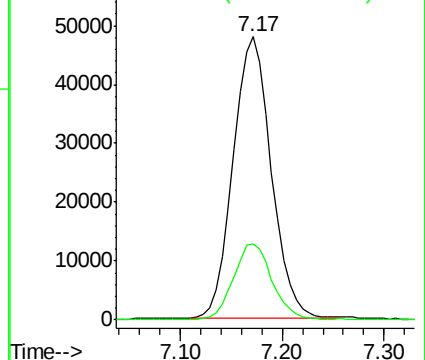
43 100

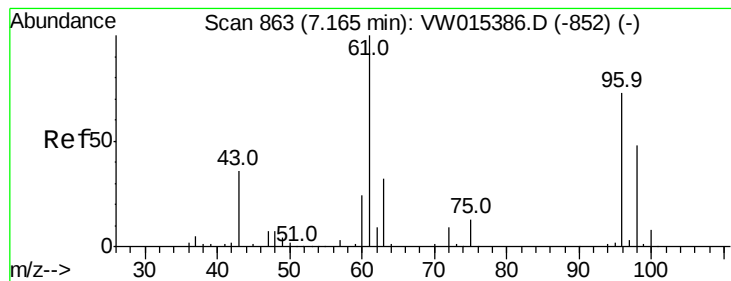
72 27.3 13.6 40.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



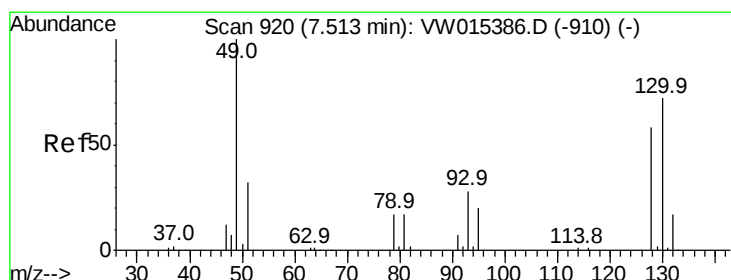
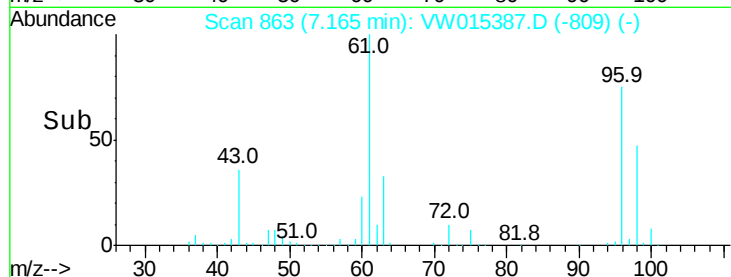
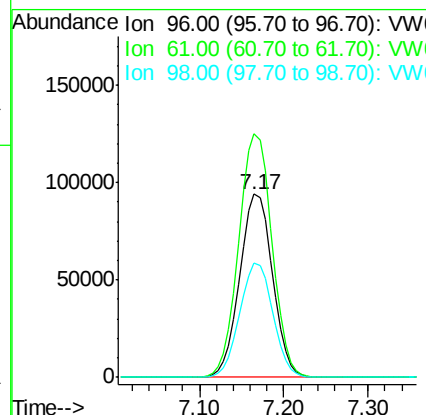
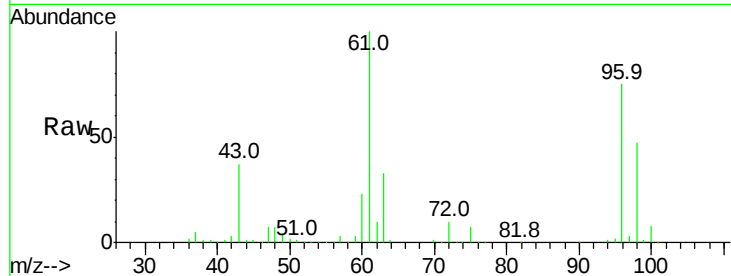


#22

cis-1,2-Dichloroethene
 Concen: 53.807 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW015387.D
 Acq: 04 May 2020 15:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05005

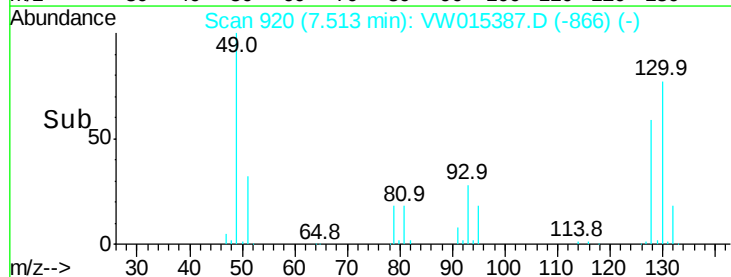
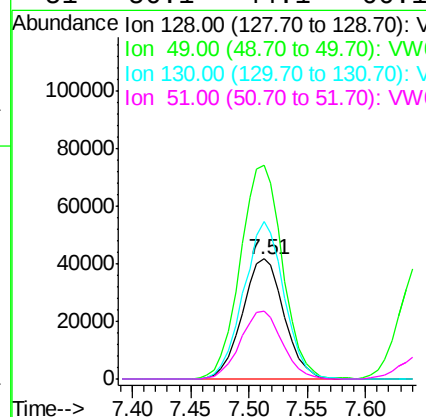
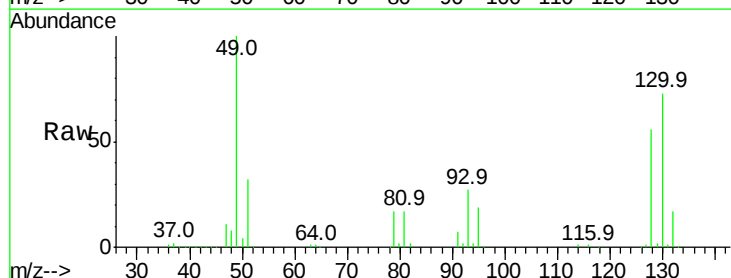
Tgt Ion: 96 Resp: 248013
 Ion Ratio Lower Upper
 96 100
 61 132.8 95.8 178.0
 98 62.0 45.9 85.3

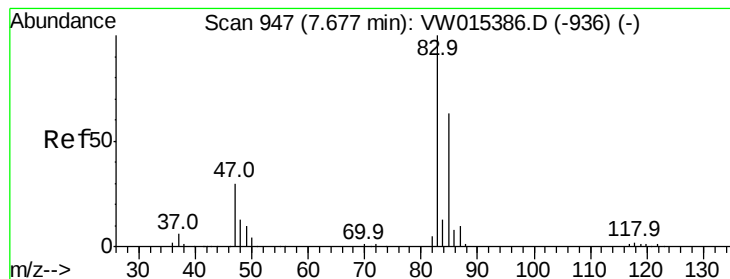


#23

Bromochloromethane
 Concen: 47.072 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW015387.D
 Acq: 04 May 2020 15:17

Tgt Ion: 128 Resp: 104172
 Ion Ratio Lower Upper
 128 100
 49 177.9 120.2 223.2
 130 130.8 86.5 160.7
 51 56.1 44.1 66.1





#25

Chloroform

Concen: 56.036 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW015387.D

Acq: 04 May 2020 15:17

Instrument :

MSVOA_W

ClientSampleId :

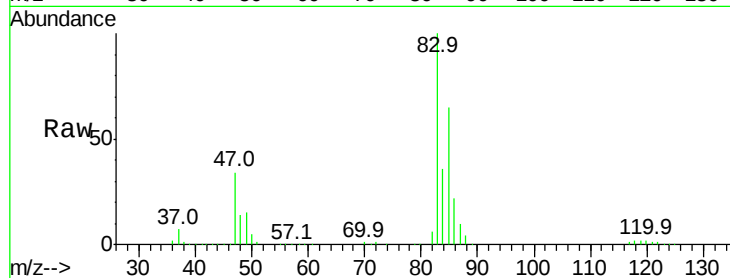
VSTD05005

Tgt Ion: 83 Resp: 423737

Ion Ratio Lower Upper

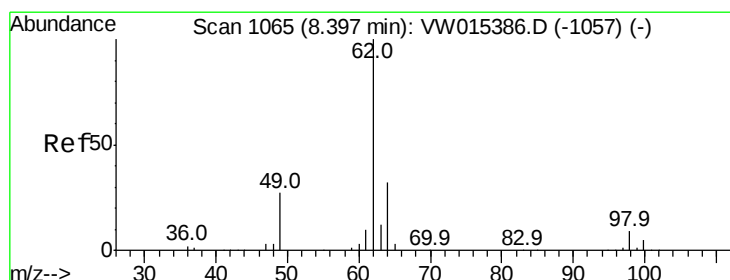
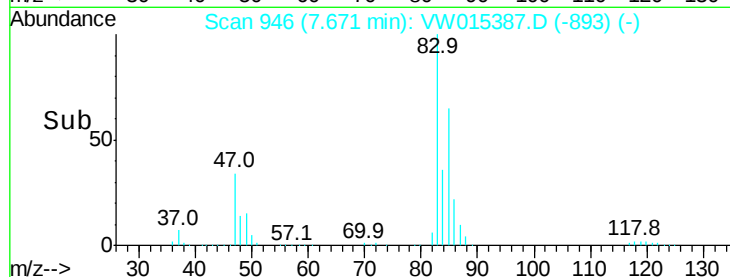
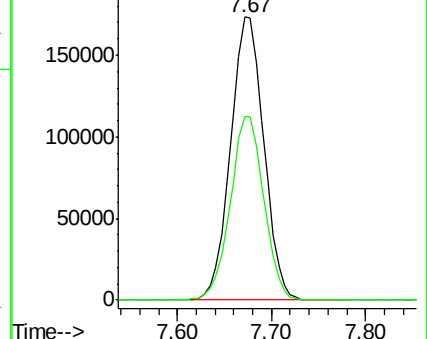
83 100

85 65.4 45.6 84.8



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 60.039 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW015387.D

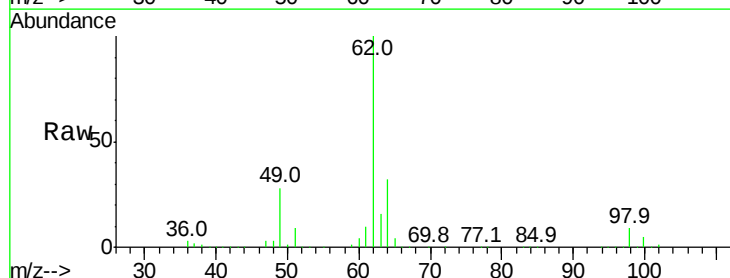
Acq: 04 May 2020 15:17

Tgt Ion: 62 Resp: 287937

Ion Ratio Lower Upper

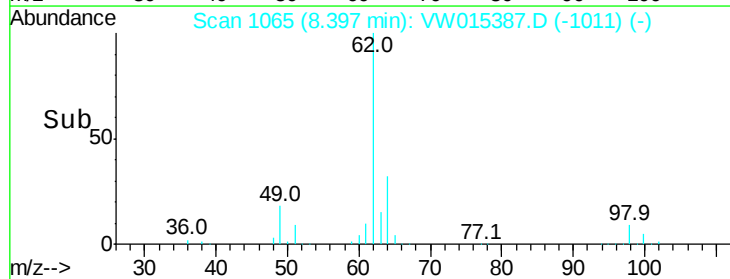
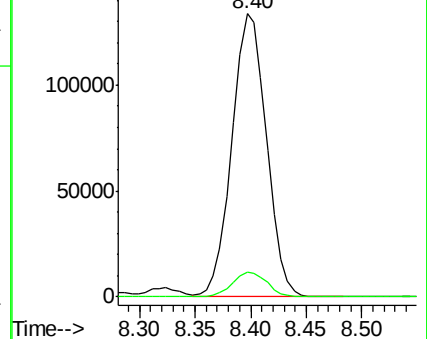
62 100

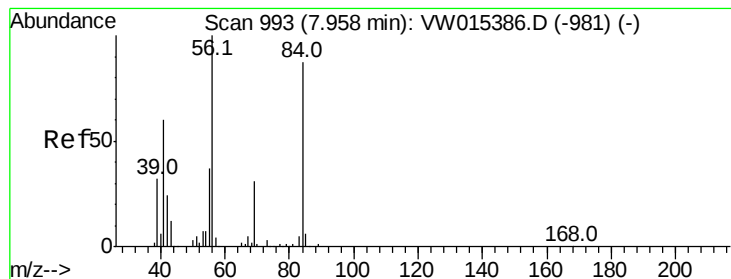
98 8.8 6.8 10.2



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW





#30

Cyclohexane

Concen: 66.600 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW015387.D

Acq: 04 May 2020 15:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD05005

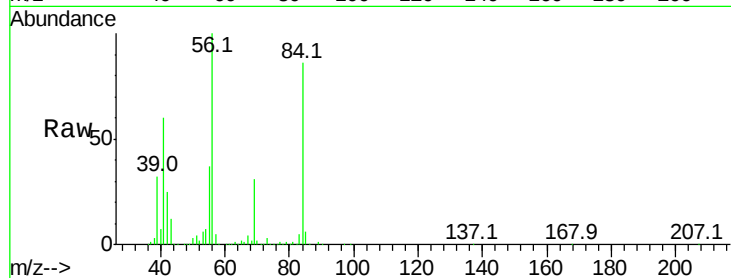
Tgt Ion: 56 Resp: 415024

Ion Ratio Lower Upper

56 100

69 30.3 24.5 36.7

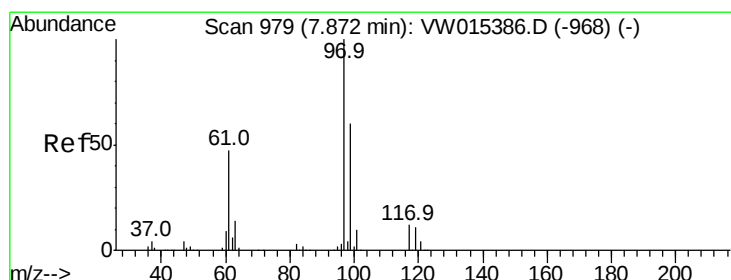
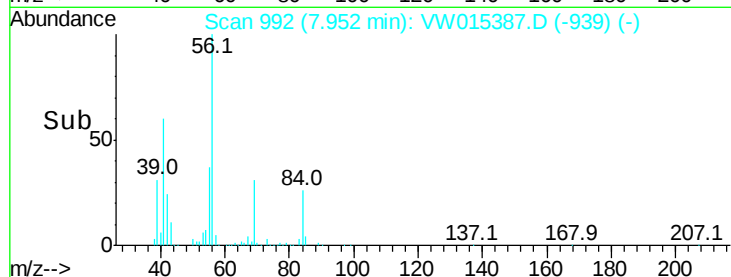
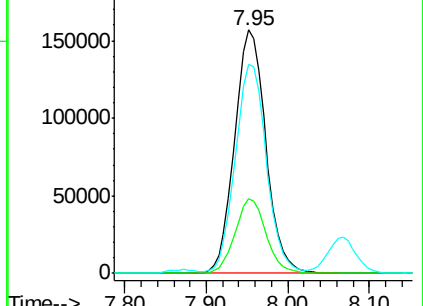
84 86.3 69.2 103.8



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#31

1,1,1-Trichloroethane

Concen: 51.159 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW015387.D

Acq: 04 May 2020 15:17

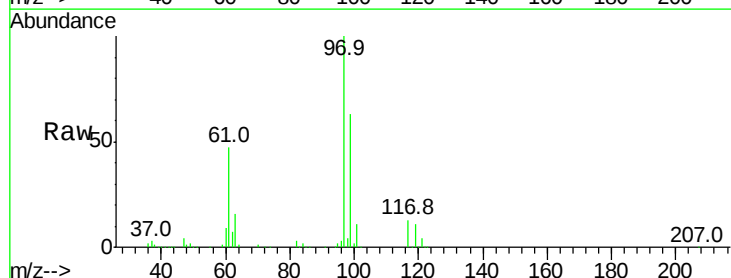
Tgt Ion: 97 Resp: 358248

Ion Ratio Lower Upper

97 100

99 64.2 51.0 76.4

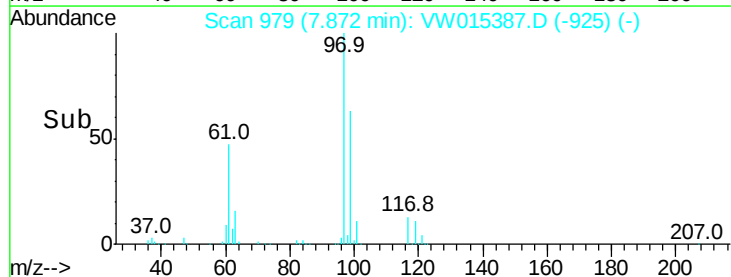
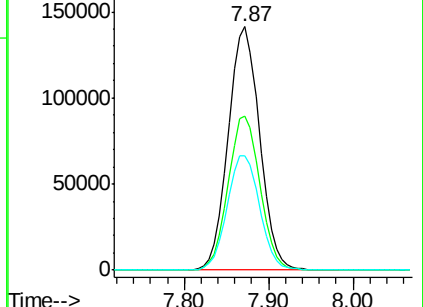
61 48.6 38.6 57.8

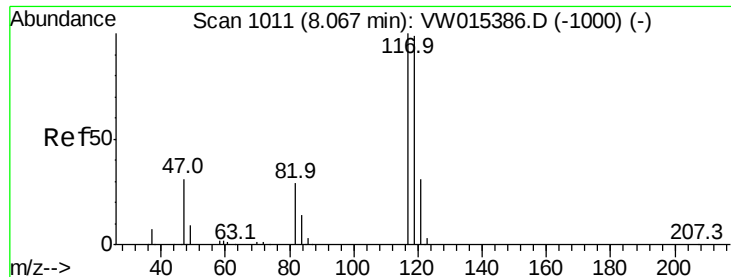


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 48.518 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW015387.D

Acq: 04 May 2020 15:17

Instrument :

MSVOA_W

ClientSampled :

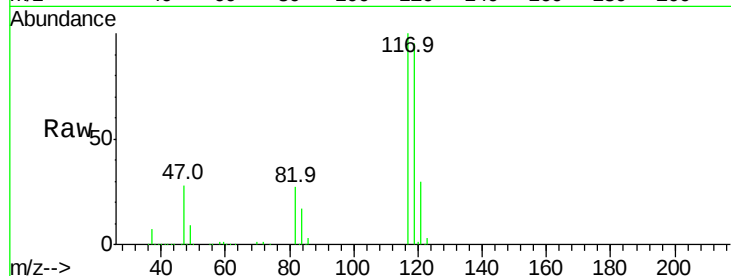
VSTD05005

Tgt Ion:117 Resp: 328528

Ion Ratio Lower Upper

117 100

119 96.4 77.2 115.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

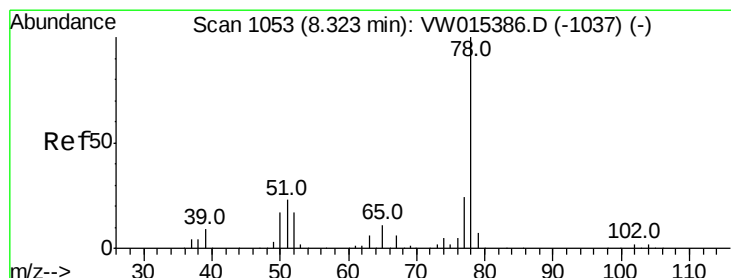
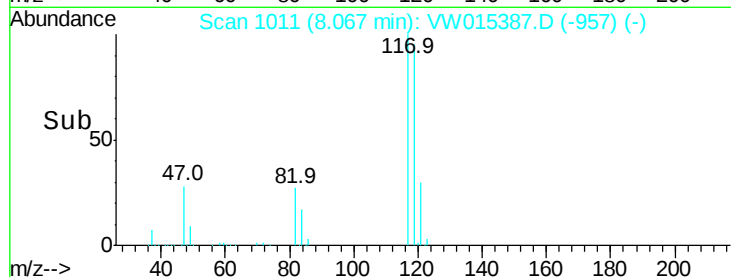
150000

100000

50000

0

Time-->



#34

Benzene

Concen: 56.086 ug/L

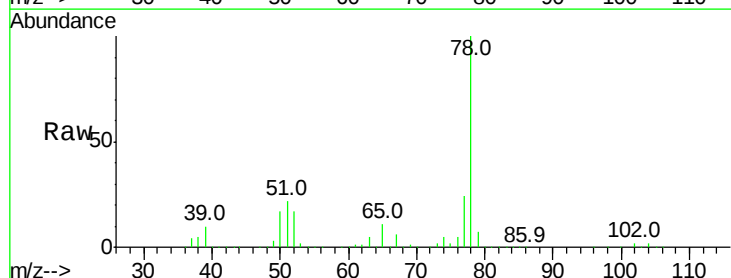
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW015387.D

Acq: 04 May 2020 15:17

Tgt Ion: 78 Resp: 935676



Abundance Ion 78.00 (77.70 to 78.70): VW

500000

400000

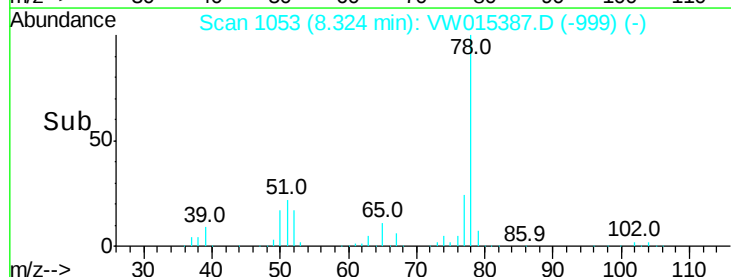
300000

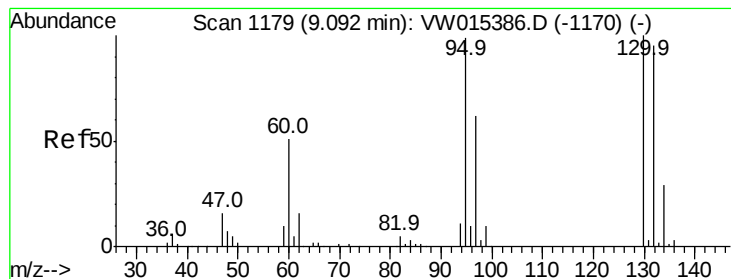
200000

100000

0

Time-->





#35

Trichloroethene

Concen: 51.881 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW015387.D

Acq: 04 May 2020 15:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD05005

Tgt Ion: 95 Resp: 249005

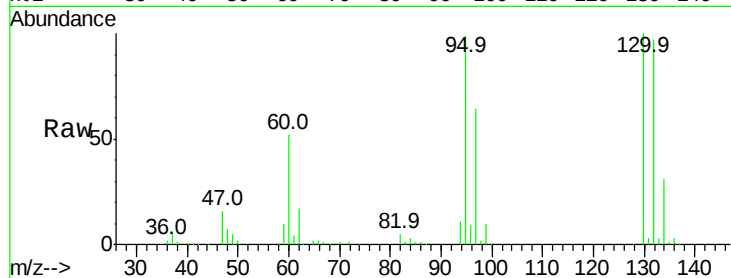
Ion Ratio Lower Upper

95 100

97 63.9 44.9 83.5

132 93.4 64.5 119.7

130 97.8 68.5 127.3



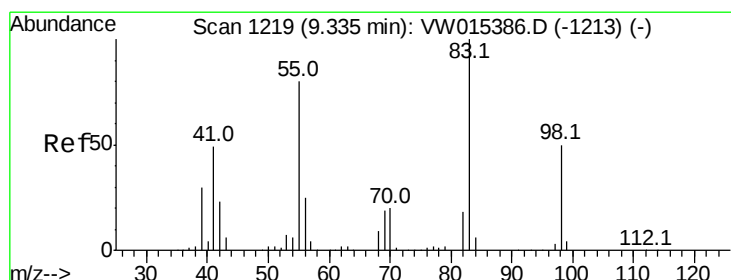
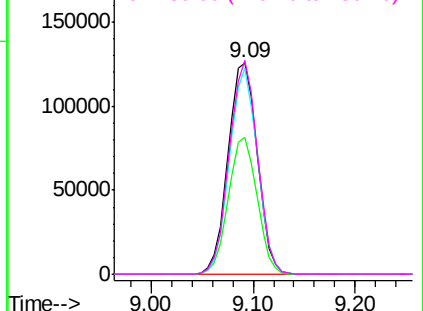
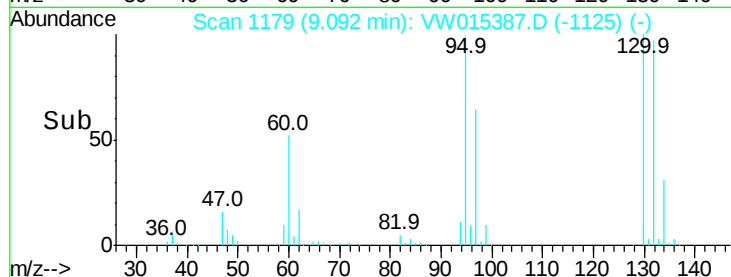
Abundance

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: 54.562 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW015387.D

Acq: 04 May 2020 15:17

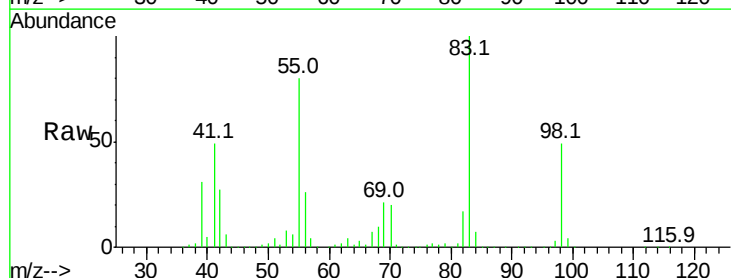
Tgt Ion: 83 Resp: 441460

Ion Ratio Lower Upper

83 100

55 80.5 64.5 96.7

98 49.4 39.8 59.6

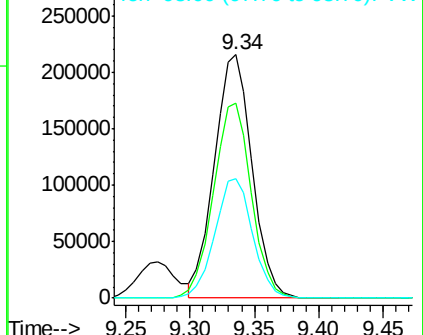
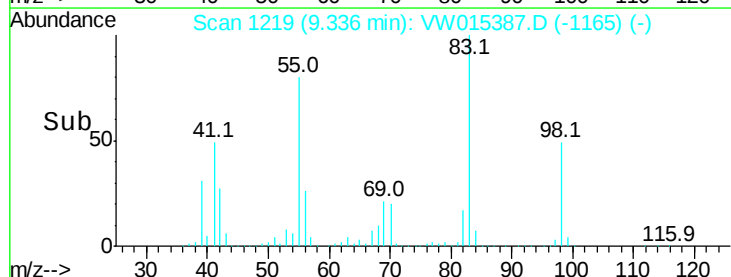


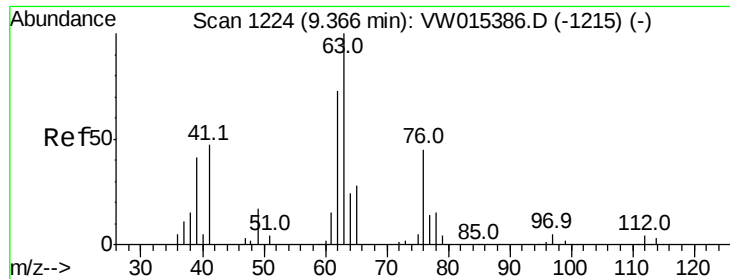
Abundance

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

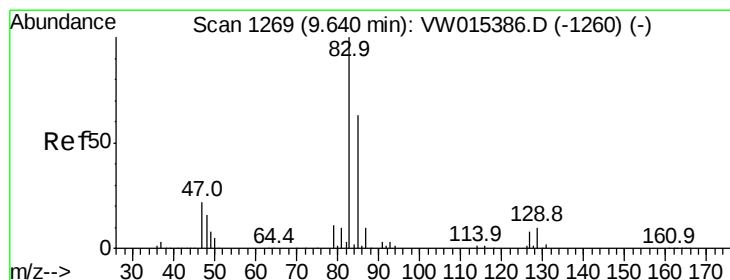
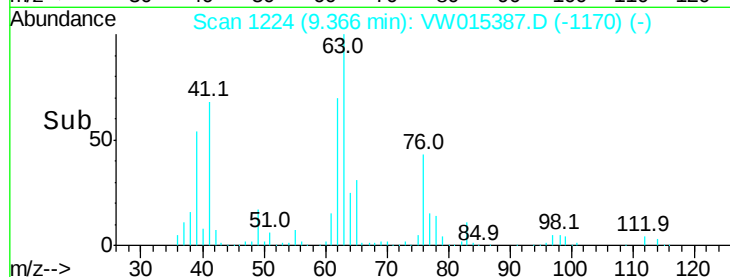
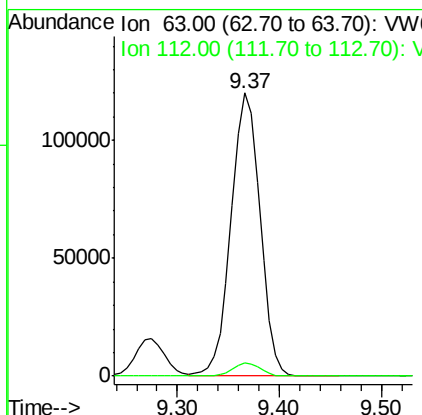
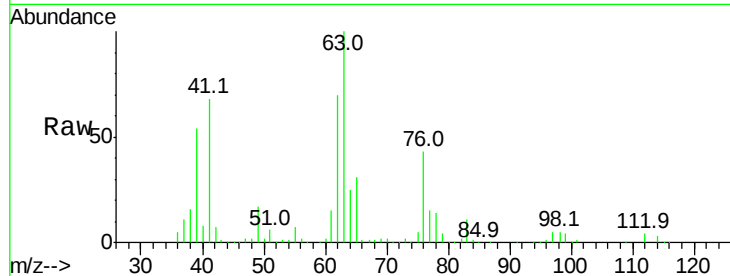




#40
 1,2-Dichloropropane
 Concen: 62.652 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW015387.D
 Acq: 04 May 2020 15:17

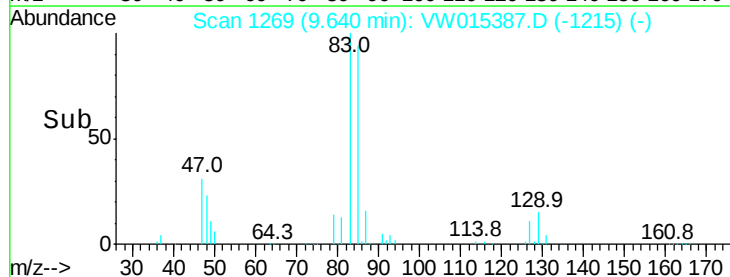
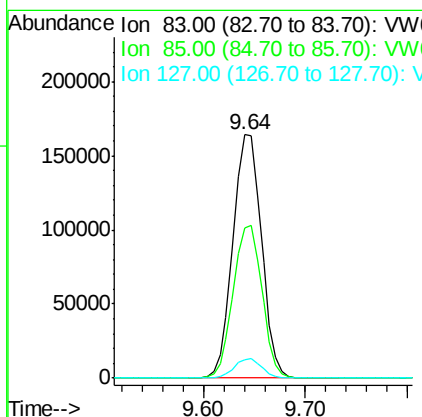
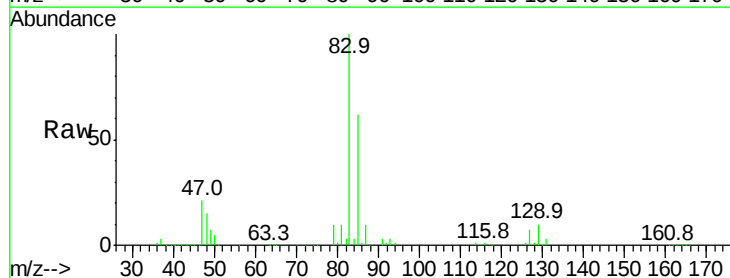
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05005

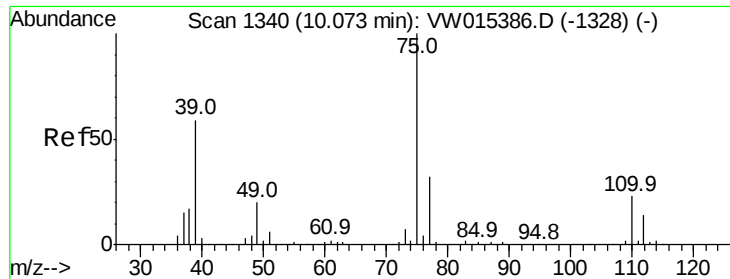
Tgt Ion: 63 Resp: 237195
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.6 5.4



#41
 Bromodichloromethane
 Concen: 55.045 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW015387.D
 Acq: 04 May 2020 15:17

Tgt Ion: 83 Resp: 318989
 Ion Ratio Lower Upper
 83 100
 85 61.9 44.2 82.0
 127 7.3 6.2 9.4





#42

cis-1,3-Dichloropropene

Concen: 58.586 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015387.D

Acq: 04 May 2020 15:17

Instrument :

MSVOA_W

ClientSampleId :

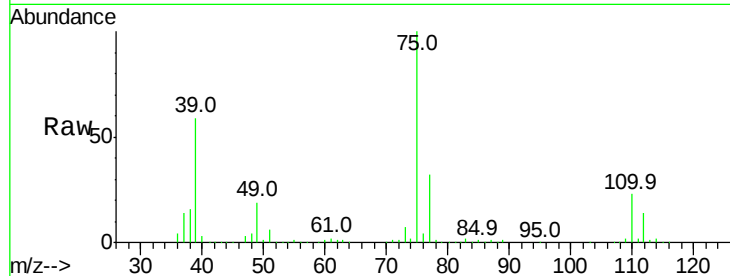
VSTD05005

Tgt Ion: 75 Resp: 388341

Ion Ratio Lower Upper

75 100

77 32.3 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

200000

150000

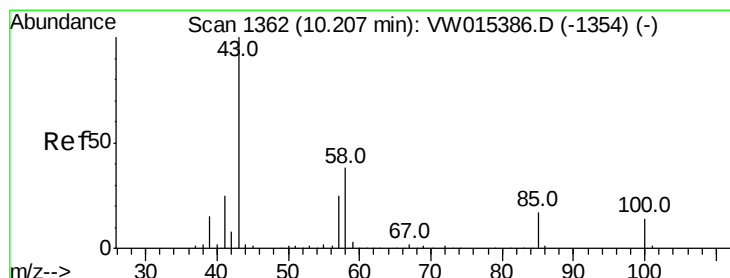
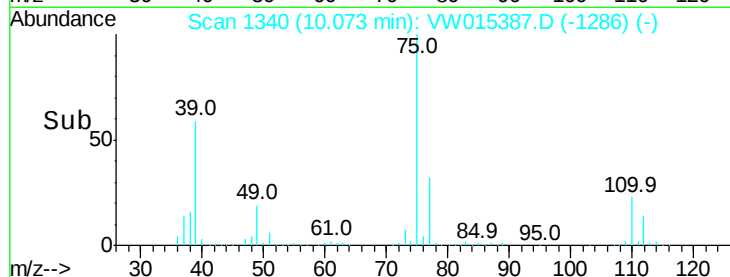
100000

50000

0

Time-->

10.00 10.10 10.20



#43

4-Methyl-2-pentanone

Concen: 115.552 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015387.D

Acq: 04 May 2020 15:17

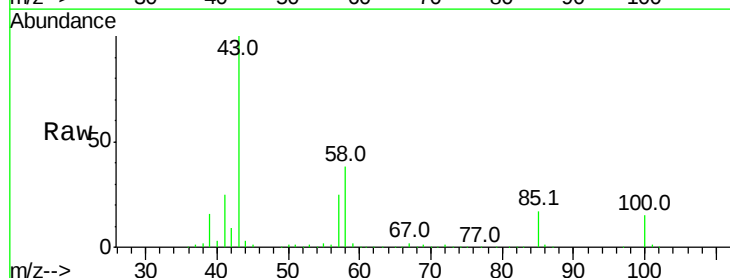
Tgt Ion: 43 Resp: 295006

Ion Ratio Lower Upper

43 100

58 38.3 30.5 45.7

100 15.4 12.1 18.1



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

400000

300000

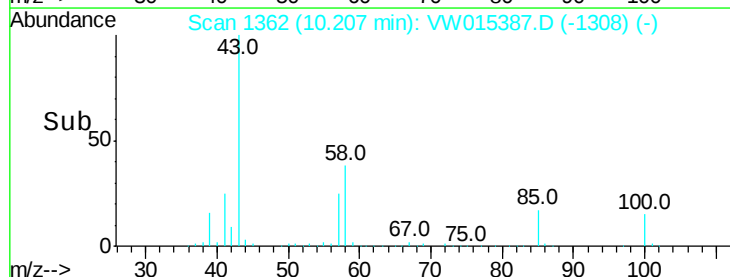
200000

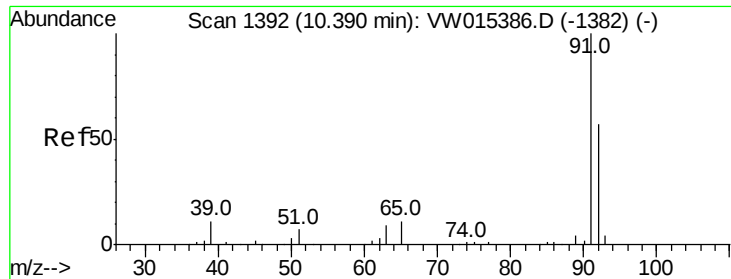
100000

0

Time-->

10.10 10.20 10.30





#44

Toluene

Concen: 54.007 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW015387.D

Acq: 04 May 2020 15:17

Instrument :

MSVOA_W

ClientSampleId :

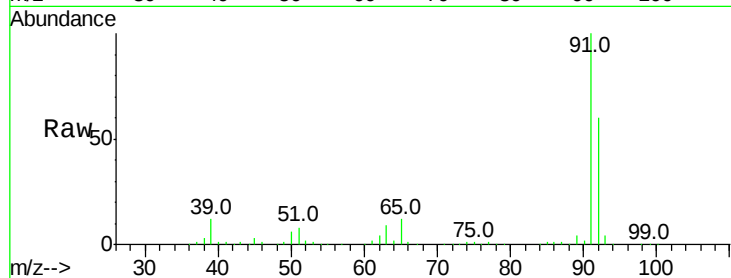
VSTD05005

Tgt Ion: 91 Resp: 1045648

Ion Ratio Lower Upper

91 100

92 59.5 39.8 74.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.38

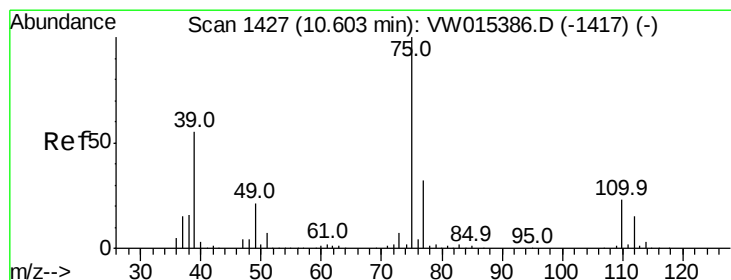
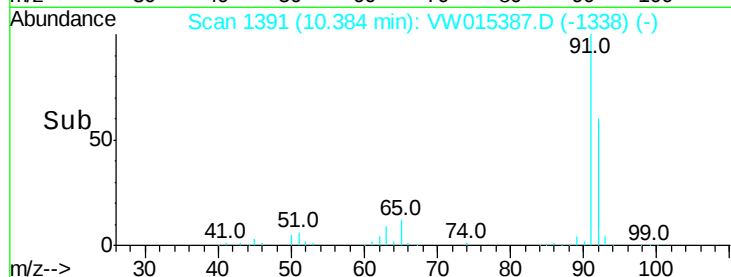
600000

400000

200000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 58.174 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW015387.D

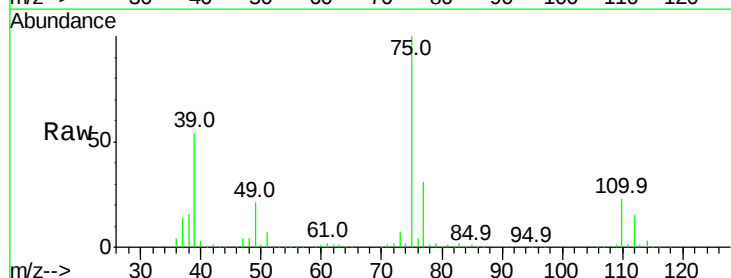
Acq: 04 May 2020 15:17

Tgt Ion: 75 Resp: 342752

Ion Ratio Lower Upper

75 100

77 30.8 22.3 41.3



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.60

200000

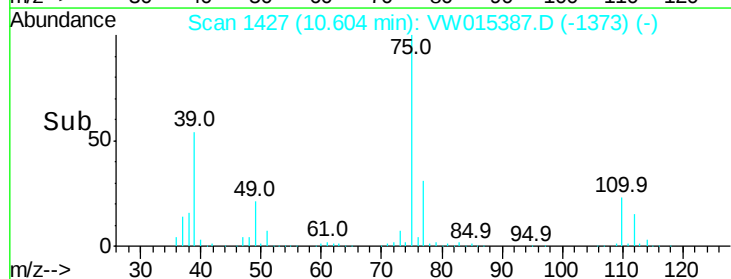
150000

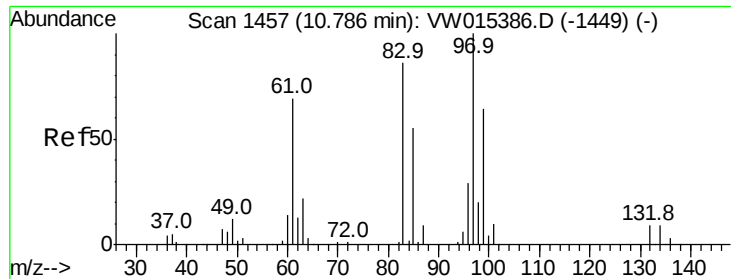
100000

50000

0

Time-->





#46

1,1,2-Trichloroethane

Concen: 51.025 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015387.D

Acq: 04 May 2020 15:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD05005

Tgt Ion: 97 Resp: 165797

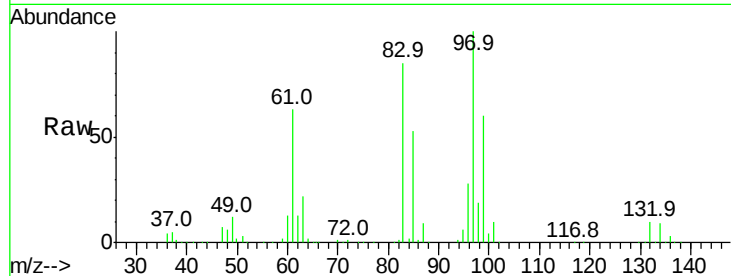
Ion Ratio Lower Upper

97 100

83 84.7 60.5 112.5

85 52.9 38.8 72.0

99 59.6 44.7 82.9

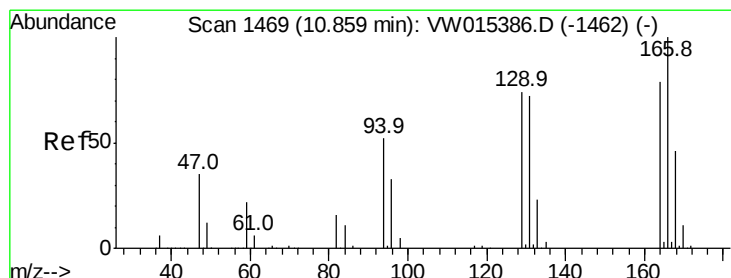
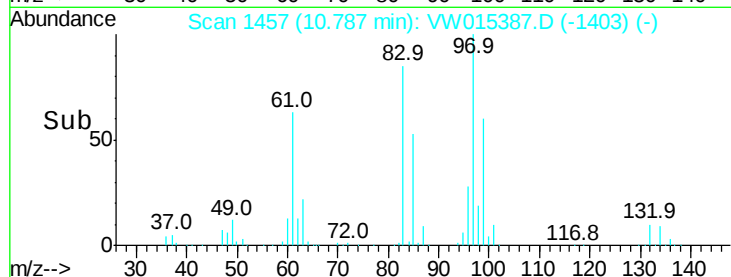
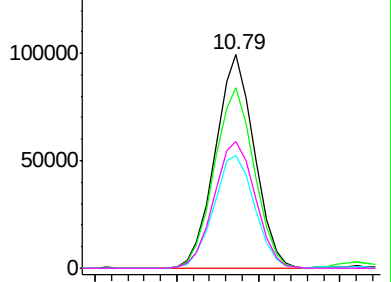


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 41.373 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW015387.D

Acq: 04 May 2020 15:17

Tgt Ion: 164 Resp: 189442

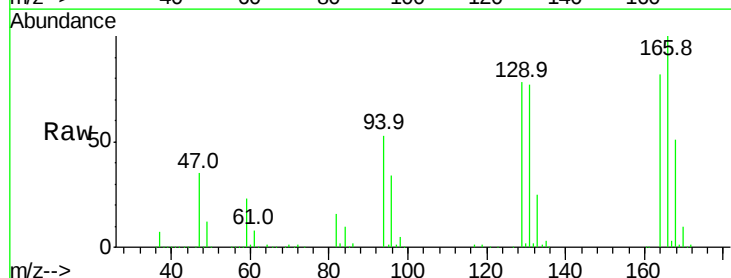
Ion Ratio Lower Upper

164 100

129 95.2 65.8 122.2

131 94.6 63.7 118.3

166 122.6 88.8 165.0

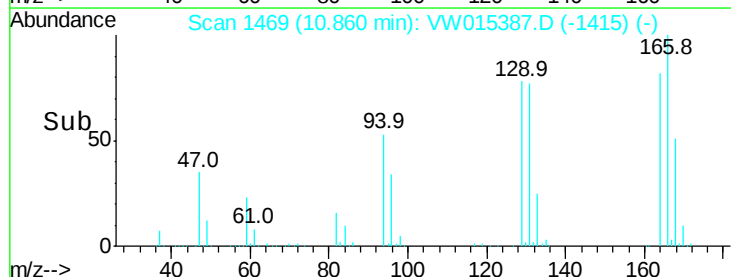
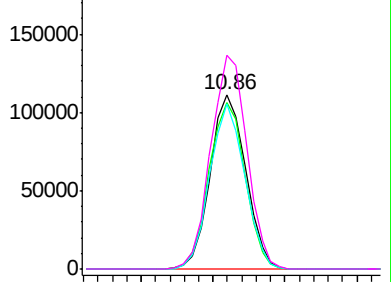


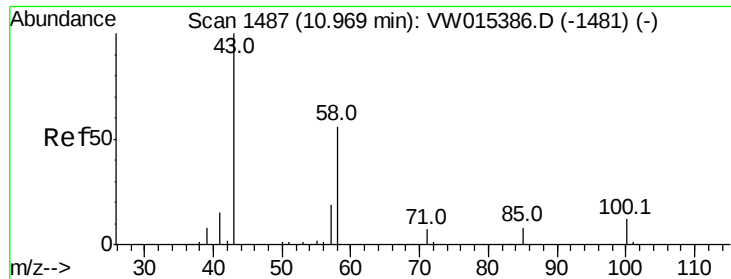
Abundance Ion 164.00 (163.70 to 164.70): V

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: 145.890 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW015387.D

Acq: 04 May 2020 15:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD05005

Tgt Ion: 43 Resp: 203922

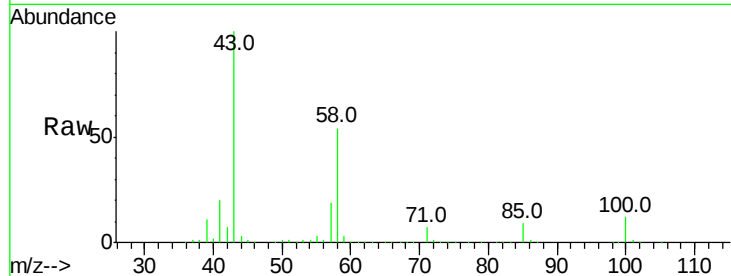
Ion Ratio Lower Upper

43 100

58 52.9 41.5 62.3

57 19.3 15.3 22.9

100 12.1 9.5 14.3

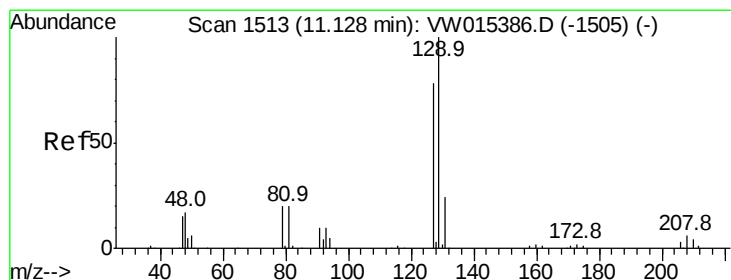
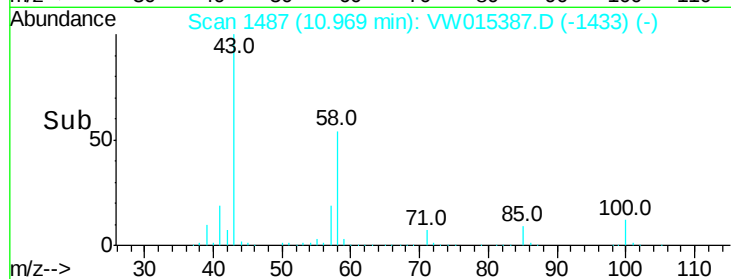
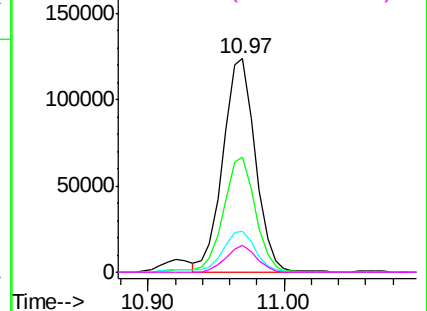


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 47.032 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW015387.D

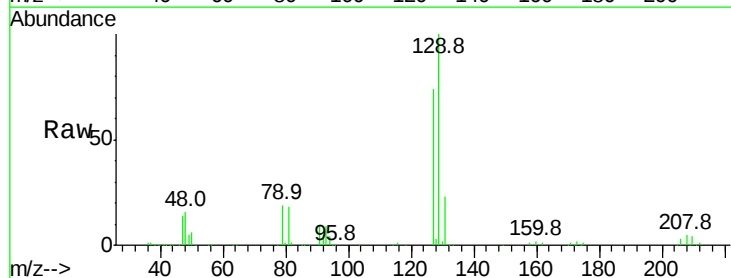
Acq: 04 May 2020 15:17

Tgt Ion: 129 Resp: 206677

Ion Ratio Lower Upper

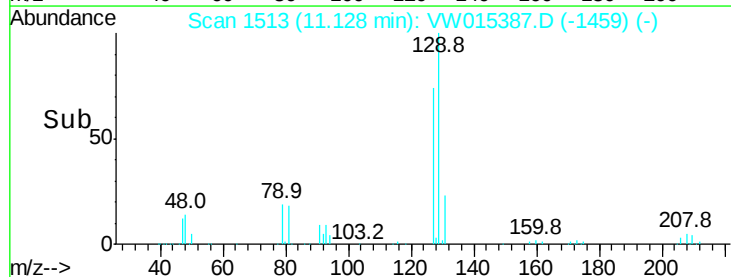
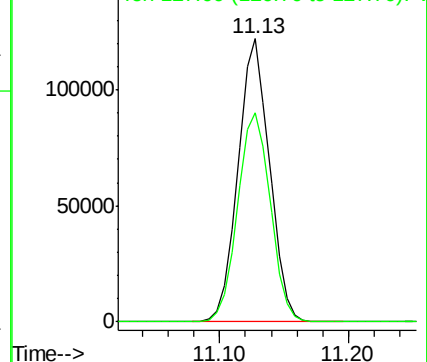
129 100

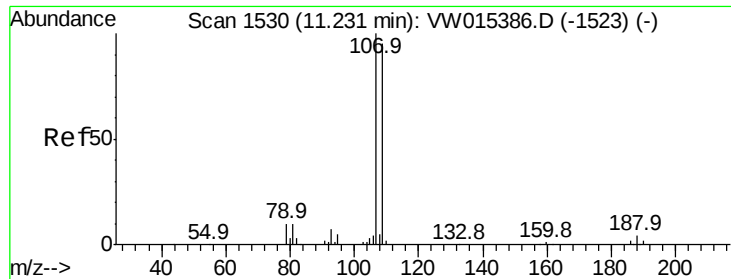
127 73.8 54.5 101.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

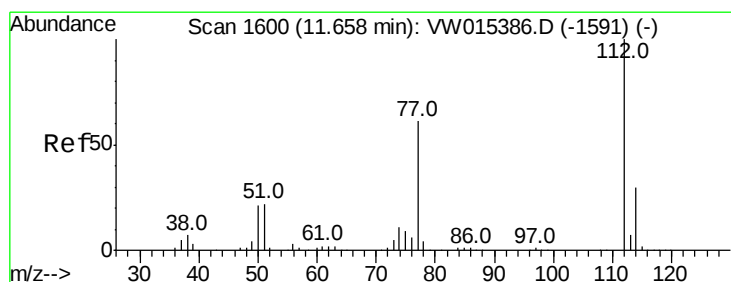
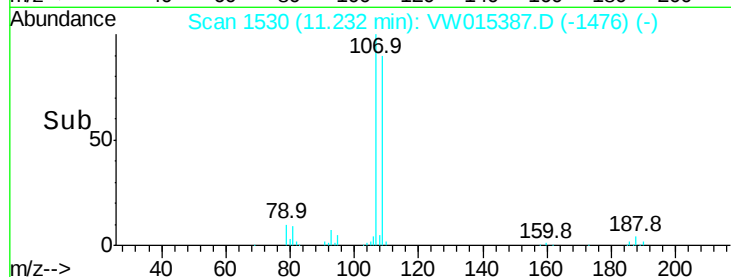
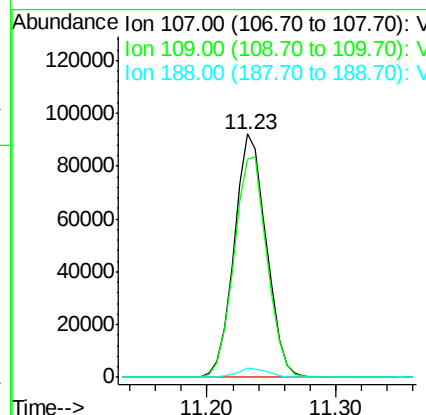
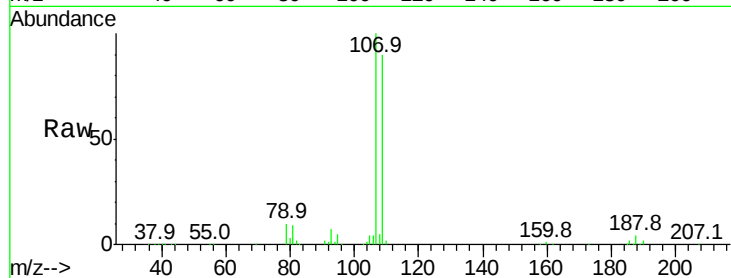




#51
 1,2-Dibromoethane
 Concen: 49.314 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW015387.D
 Acq: 04 May 2020 15:17

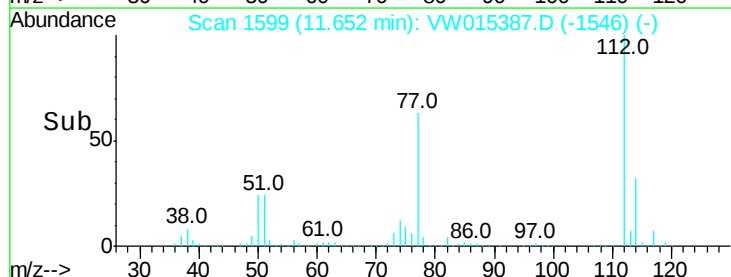
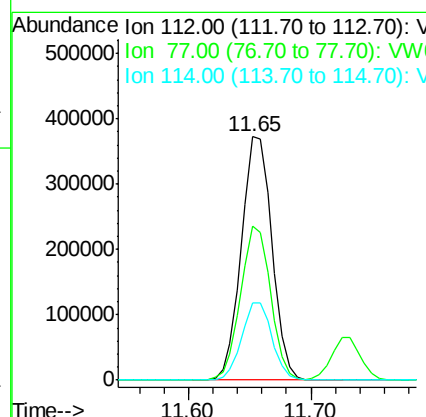
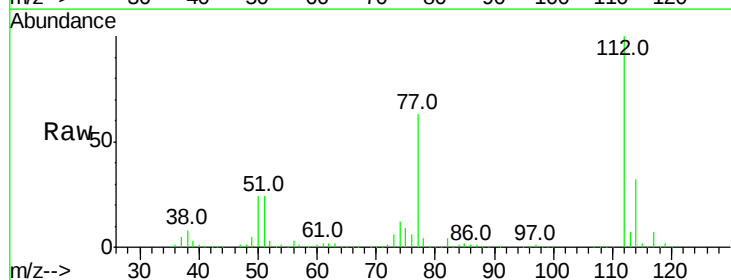
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05005

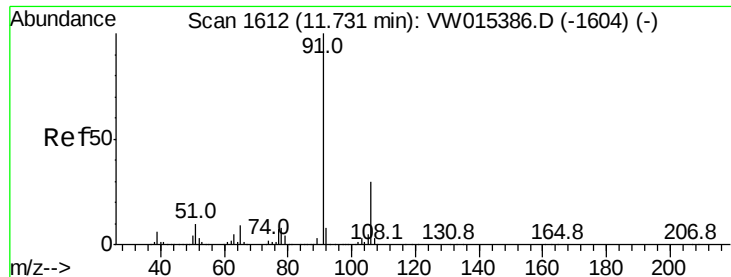
Tgt Ion:107 Resp: 159759
 Ion Ratio Lower Upper
 107 100
 109 89.6 66.2 123.0
 188 3.6 2.9 4.3



#52
 Chlorobenzene
 Concen: 49.609 ug/L
 RT: 11.65 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: VW015387.D
 Acq: 04 May 2020 15:17

Tgt Ion:112 Resp: 647320
 Ion Ratio Lower Upper
 112 100
 77 63.0 48.6 73.0
 114 31.7 21.2 39.4





#53

Ethylbenzene

Concen: 53.580 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW015387.D

Acq: 04 May 2020 15:17

Instrument :

MSVOA_W

ClientSampleId :

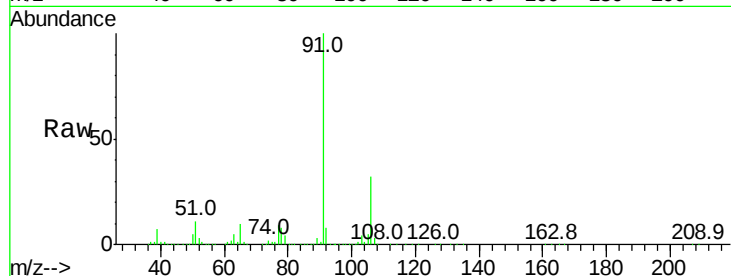
VSTD05005

Tgt Ion: 91 Resp: 1199793

Ion Ratio Lower Upper

91 100

106 31.6 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

11.73

800000

600000

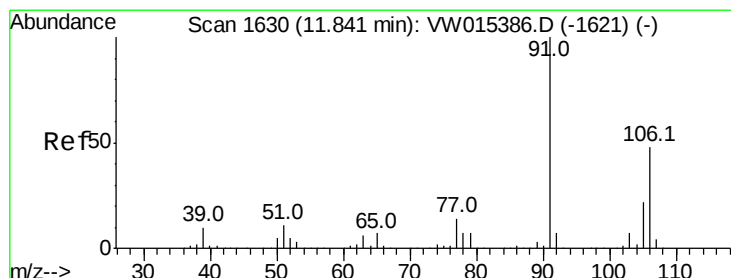
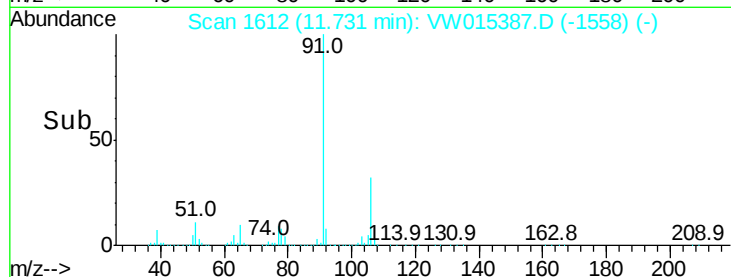
400000

200000

0

11.70 11.80

Time-->



#54

m,p-Xylene

Concen: 51.425 ug/L

RT: 11.84 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW015387.D

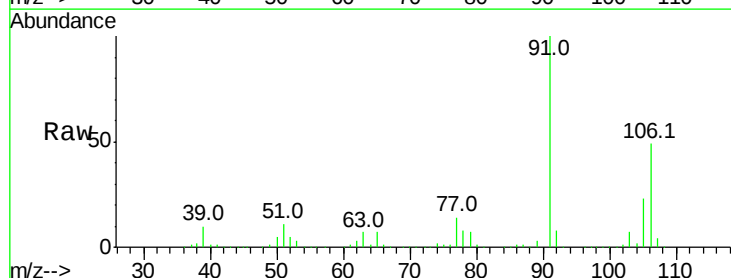
Acq: 04 May 2020 15:17

Tgt Ion: 106 Resp: 455844

Ion Ratio Lower Upper

106 100

91 204.0 145.0 269.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

11.84

800000

600000

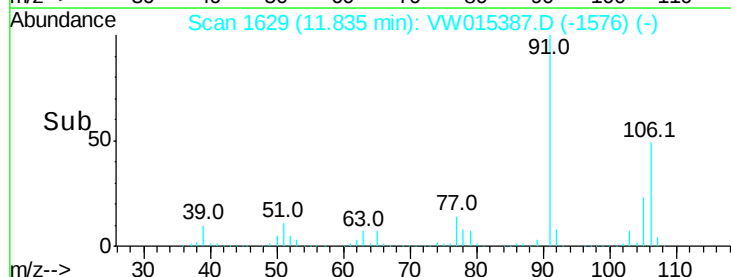
400000

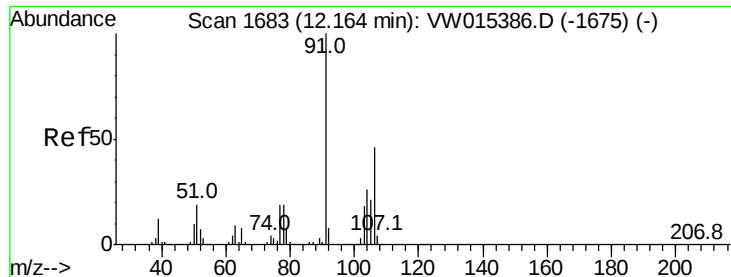
200000

0

11.80 11.90

Time-->





#55

o-xylene

Concen: 52.423 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW015387.D

Acq: 04 May 2020 15:17

Instrument :

MSVOA_W

ClientSampled :

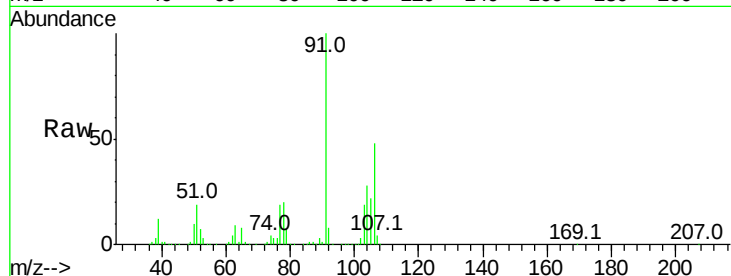
VSTD05005

Tgt Ion:106 Resp: 445816

Ion Ratio Lower Upper

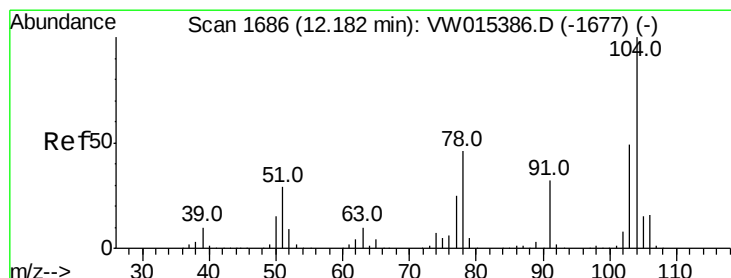
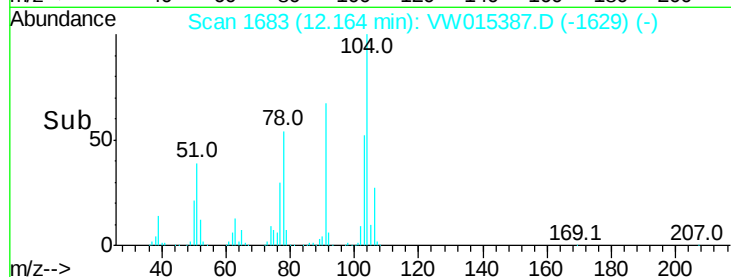
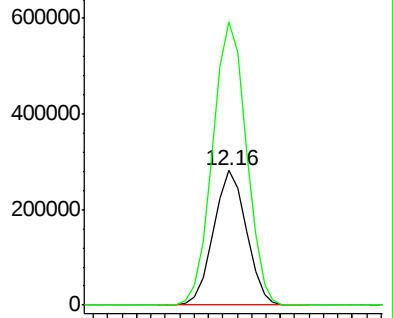
106 100

91 210.2 152.3 282.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 54.126 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW015387.D

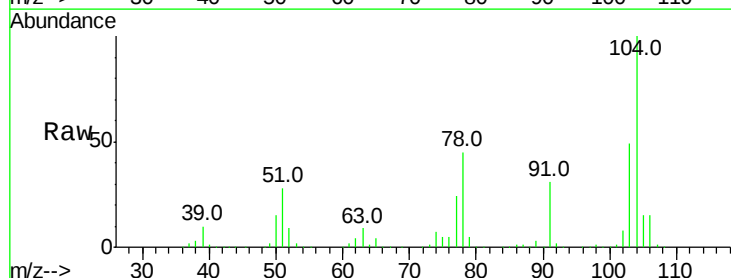
Acq: 04 May 2020 15:17

Tgt Ion:104 Resp: 772784

Ion Ratio Lower Upper

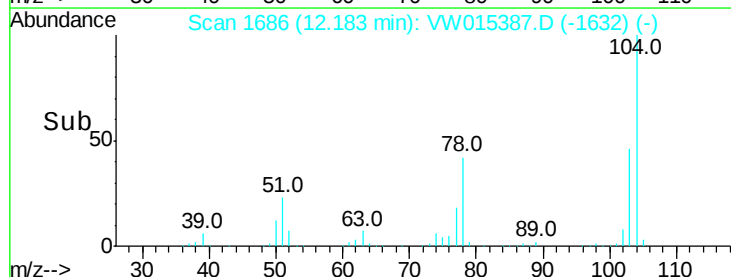
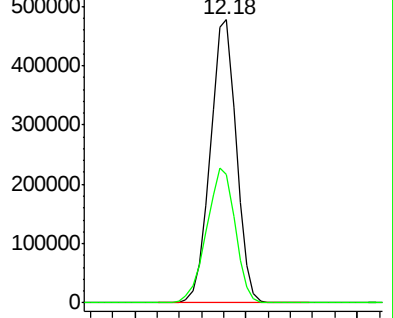
104 100

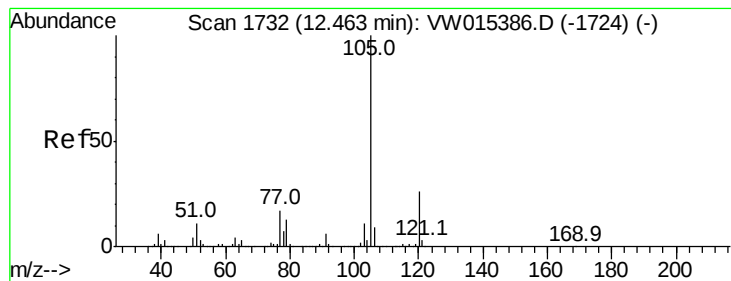
78 45.2 32.4 60.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 53.017 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015387.D

Acq: 04 May 2020 15:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD05005

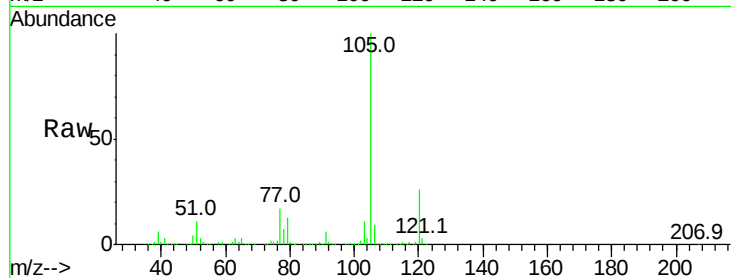
Tgt Ion:105 Resp: 1227637

Ion Ratio Lower Upper

105 100

120 26.0 20.5 30.7

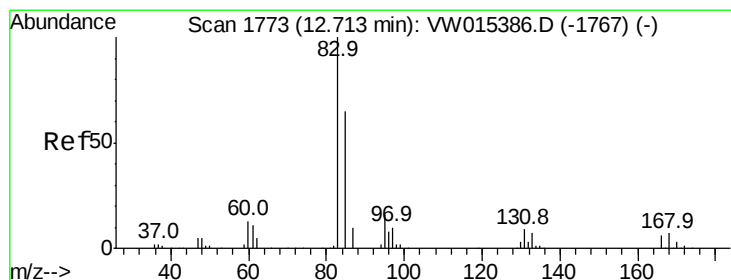
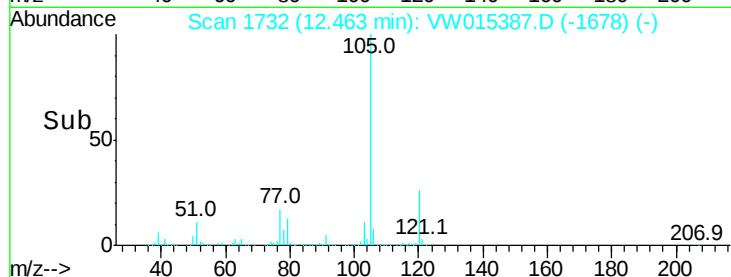
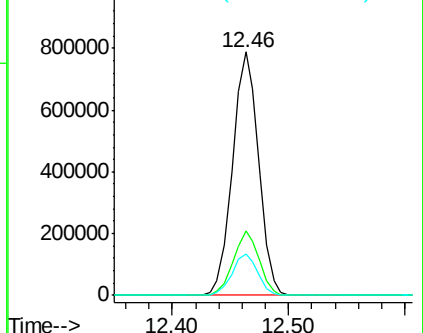
77 16.6 13.3 19.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 55.811 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015387.D

Acq: 04 May 2020 15:17

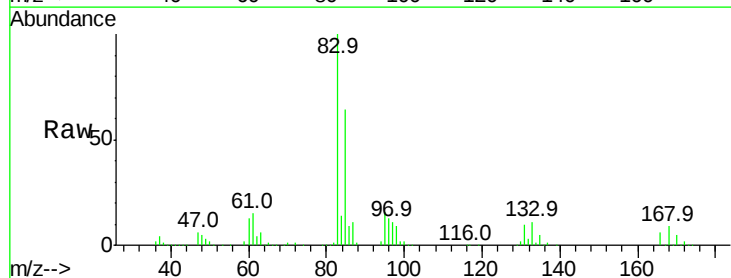
Tgt Ion: 83 Resp: 201710

Ion Ratio Lower Upper

83 100

85 64.3 46.3 86.1

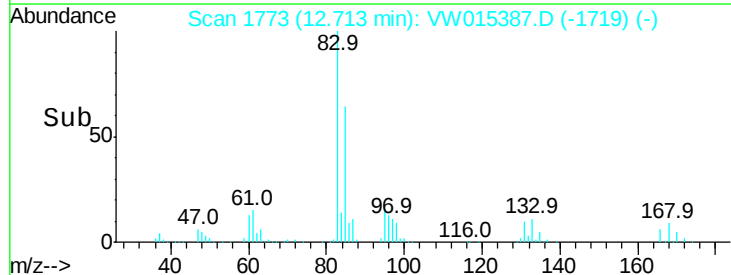
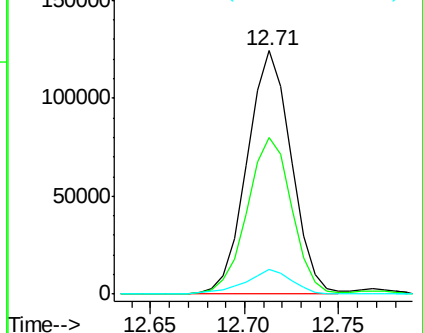
131 10.1 7.9 11.9

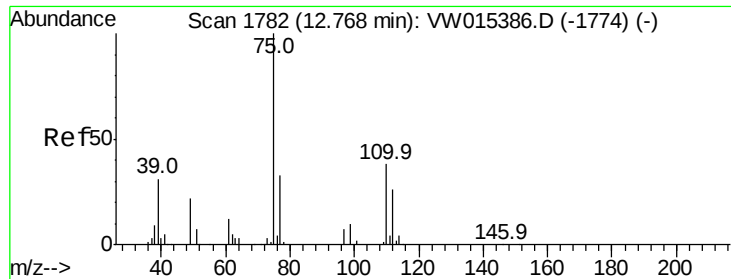


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 57.558 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015387.D

Acq: 04 May 2020 15:17

Instrument :

MSVOA_W

ClientSampleId :

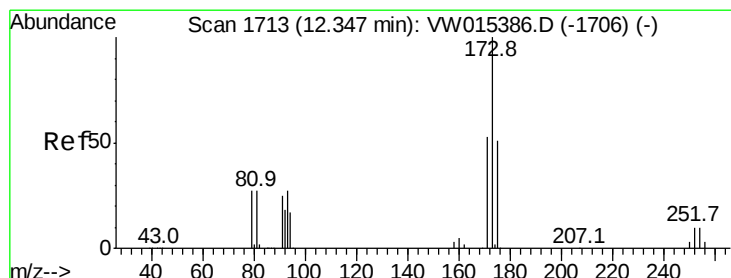
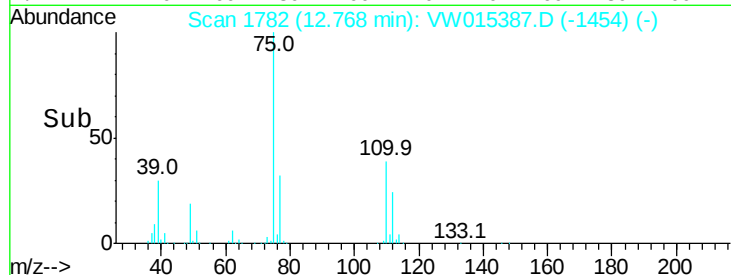
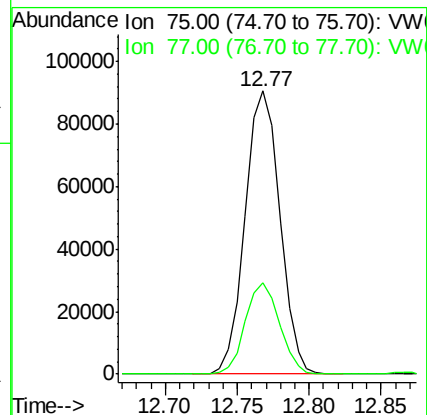
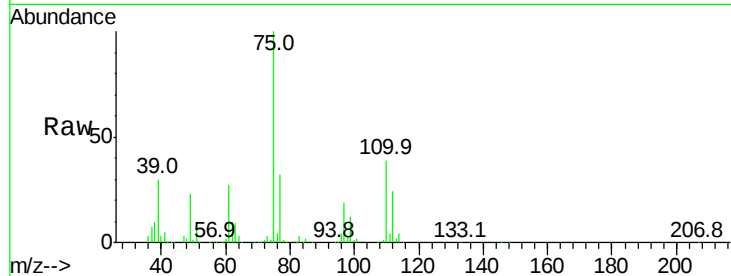
VSTD05005

Tgt Ion: 75 Resp: 151709

Ion Ratio Lower Upper

75 100

77 31.9 25.9 38.9



#62

Bromoform

Concen: 46.275 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW015387.D

Acq: 04 May 2020 15:17

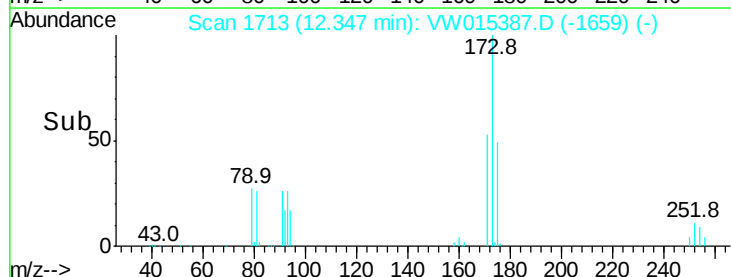
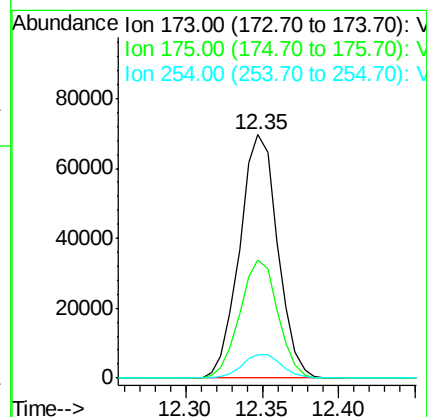
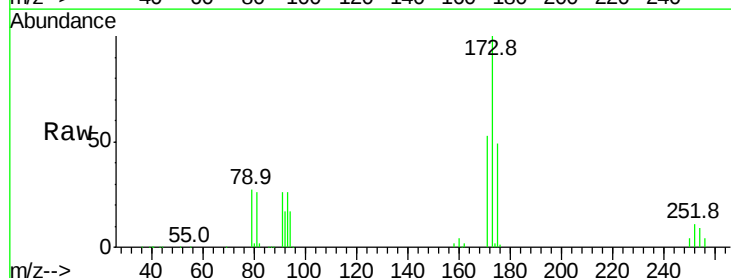
Tgt Ion: 173 Resp: 120236

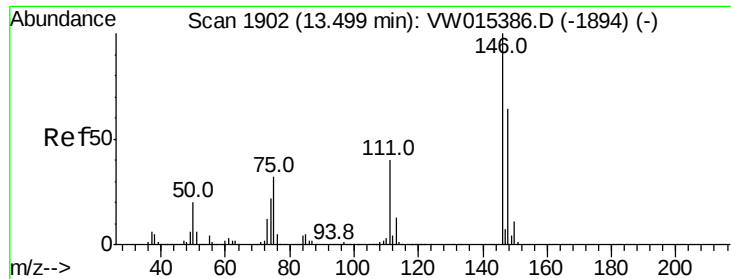
Ion Ratio Lower Upper

173 100

175 48.4 40.7 61.1

254 9.9 7.6 11.4

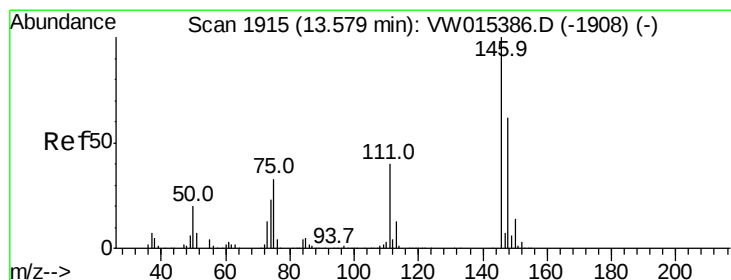
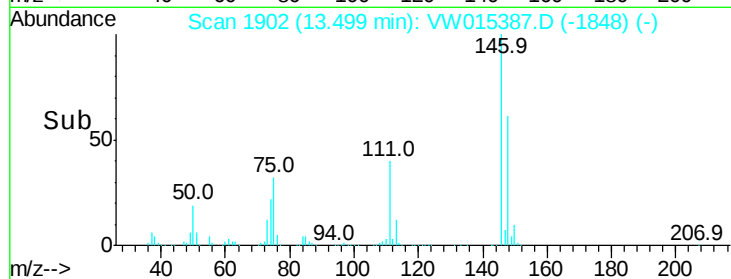
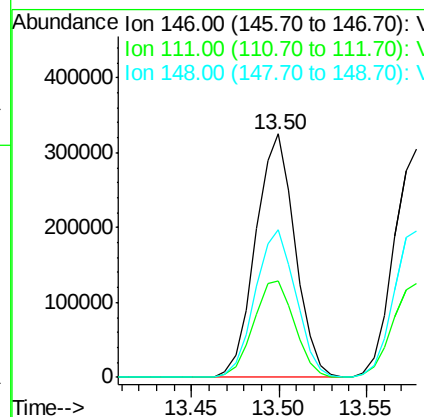
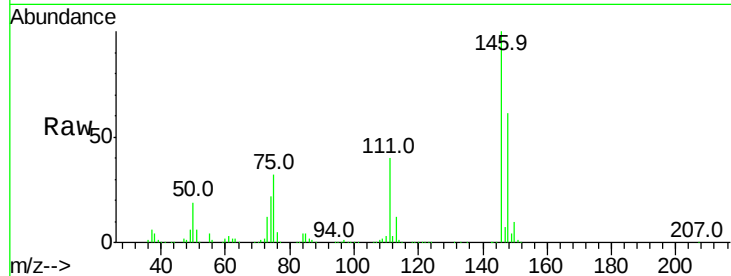




#63
 1,3-Dichlorobenzene
 Concen: 50.682 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015387.D
 Acq: 04 May 2020 15:17

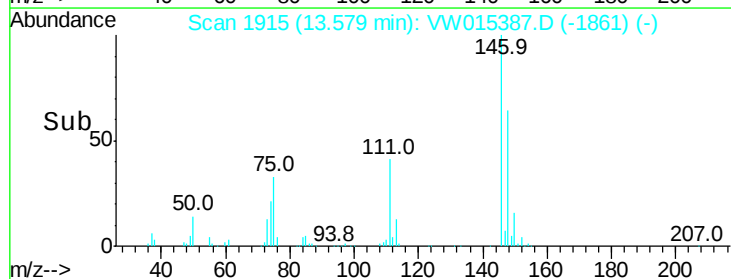
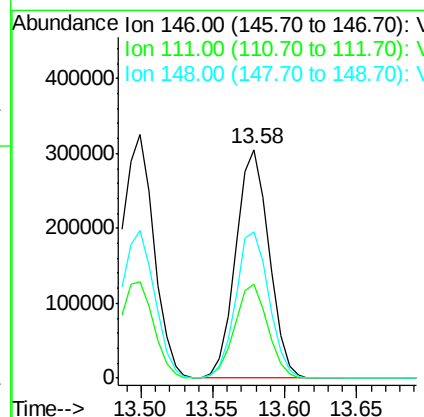
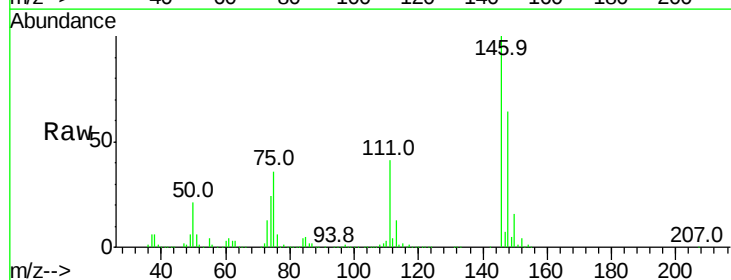
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05005

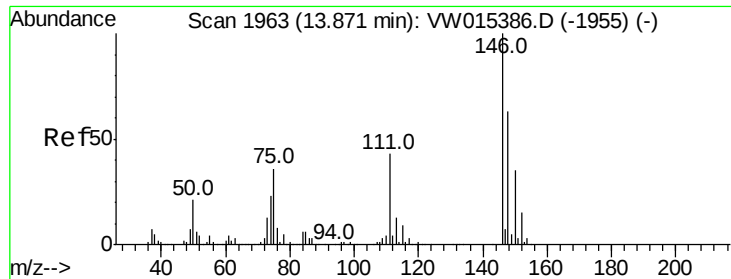
Tgt Ion:146 Resp: 509172
 Ion Ratio Lower Upper
 146 100
 111 39.6 27.9 51.9
 148 60.8 44.5 82.7



#64
 1,4-Dichlorobenzene
 Concen: 49.694 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015387.D
 Acq: 04 May 2020 15:17

Tgt Ion:146 Resp: 493927
 Ion Ratio Lower Upper
 146 100
 111 41.2 28.2 52.4
 148 63.9 43.8 81.3

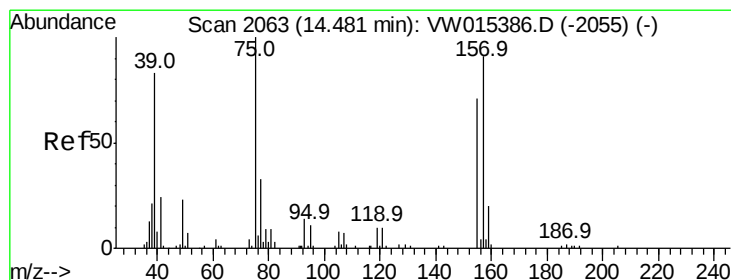
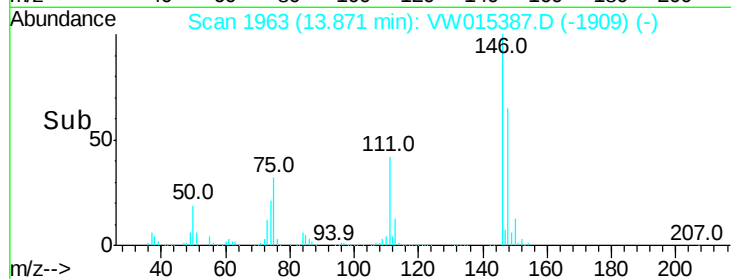
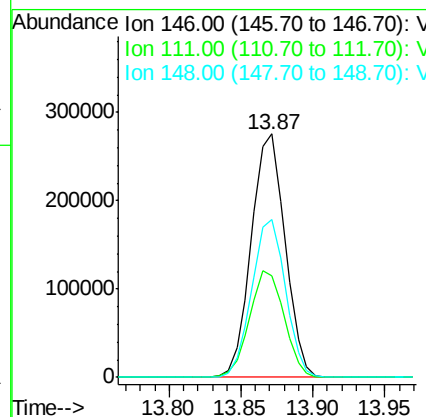
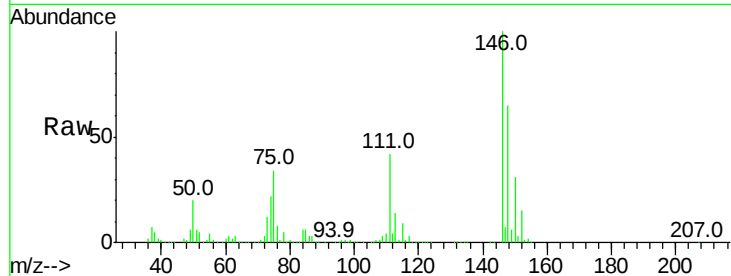




#65
 1,2-Dichlorobenzene
 Concen: 49.565 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015387.D
 Acq: 04 May 2020 15:17

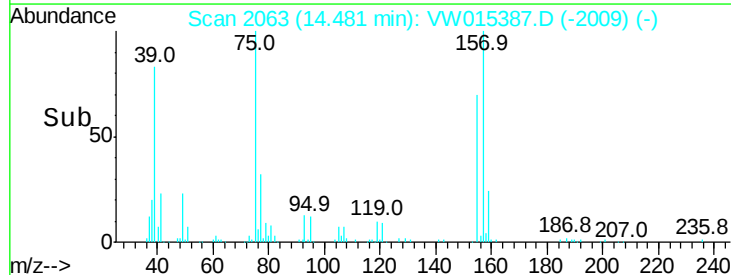
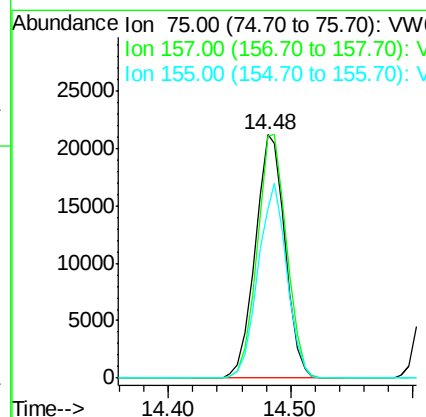
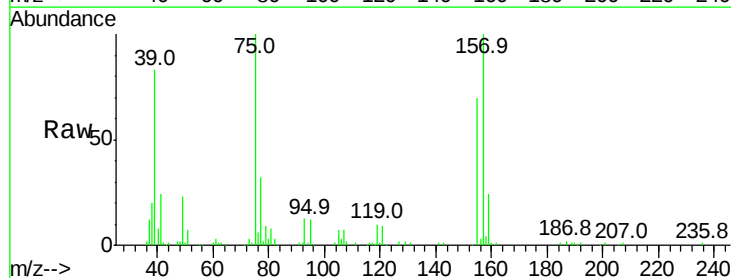
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05005

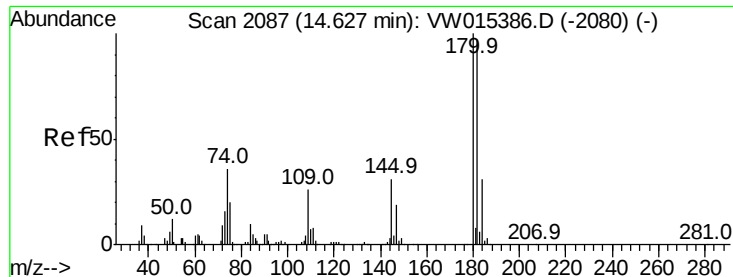
Tgt Ion:146 Resp: 447030
 Ion Ratio Lower Upper
 146 100
 111 41.9 34.3 51.5
 148 64.8 50.6 75.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 60.648 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW015387.D
 Acq: 04 May 2020 15:17

Tgt Ion: 75 Resp: 35788
 Ion Ratio Lower Upper
 75 100
 157 99.7 72.7 109.1
 155 69.5 56.7 85.1

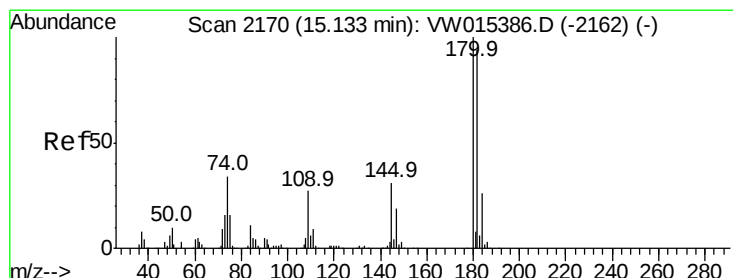
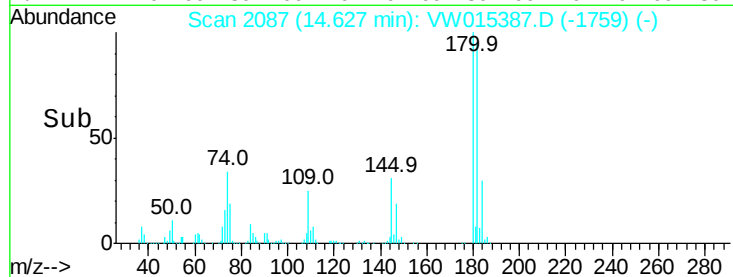
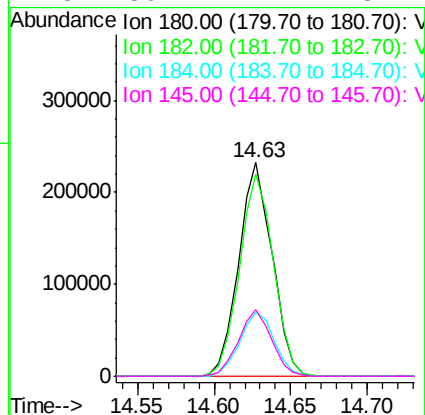
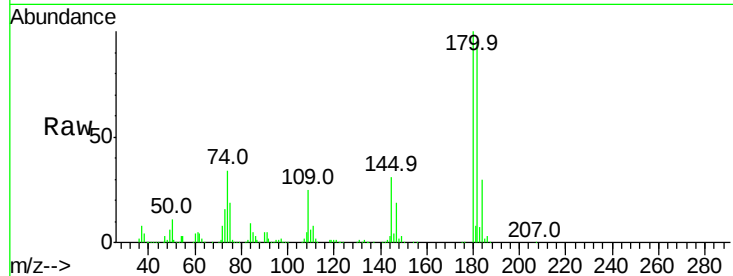




#67
 1,3,5-Trichlorobenzene
 Concen: 45.517 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW015387.D
 Acq: 04 May 2020 15:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05005

Tgt Ion:	180	Resp:	353502
Ion Ratio	Lower	Upper	
180	100		
182	95.6	76.8	115.2
184	30.8	24.7	37.1
145	30.7	24.7	37.1



#68
 1,2,4-trichlorobenzene
 Concen: 48.050 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015387.D
 Acq: 04 May 2020 15:17

Tgt Ion:	180	Resp:	306703
Ion Ratio	Lower	Upper	
180	100		
182	92.7	77.9	116.9
145	30.5	26.5	39.7

