

Data File : VW015188.D
Acq On : 14 Apr 2020 12:13
Operator : SY/VA
Sample : VSTD025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02501

Quant Time: Apr 14 12:47:31 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041420S.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 14 11:26:13 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	983047	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	865979	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	383559	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	236574	25.45	ug/L	0.00
7) Chloroethane-d5	2.89	69	177662	26.06	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	560305	22.76	ug/L	0.00
20) 2-Butanone-d5	7.07	46	131561	41.37	ug/L	0.00
24) Chloroform-d	7.65	84	542682	23.41	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	258671	22.53	ug/L	0.00
29) Benzene-d6	8.27	84	1141847	23.83	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	344535	23.26	ug/L	0.00
37) Toluene-d8	10.32	98	1071564	23.86	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.57	79	151270	22.38	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	118472	44.76	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	244374	22.56	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	331968	24.15	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	243729	34.297	ug/L	98
3) Chloromethane	2.21	50	293716	33.295	ug/L	97
5) Vinyl chloride	2.36	62	320262	27.115	ug/L	98
6) Bromomethane	2.78	94	170857	27.969	ug/L	97
8) Chloroethane	2.92	64	165416	28.300	ug/L	96
9) Trichlorofluoromethane	3.26	101	228175	24.373	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	343317	25.372	ug/L	97
12) 1,1-Dichloroethene	4.04	96	334327	25.010	ug/L	92
13) Acetone	4.12	43	81024	40.196	ug/L	89
14) Carbon disulfide	4.38	76	1064237	24.019	ug/L	99
15) Methyl Acetate	4.67	43	117653	24.313	ug/L	97
16) Methylene chloride	4.91	84	321168	23.043	ug/L	97
17) Methyl tert-butyl Ether	5.42	73	427400	23.837	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	336880	24.856	ug/L	97
19) 1,1-Dichloroethane	6.21	63	575142	24.634	ug/L	98
21) 2-Butanone	7.17	43	150698	45.853	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	350473	24.896	ug/L	98
23) Bromochloromethane	7.51	128	145565	25.173	ug/L	97
25) Chloroform	7.68	83	555278	24.465	ug/L	98
27) 1,2-Dichloroethane	8.40	62	325620	23.582	ug/L	99
30) Cyclohexane	7.95	56	603847	25.067	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	488360	24.899	ug/L	99
32) Carbon tetrachloride	8.07	117	451377	25.158	ug/L	98
34) Benzene	8.32	78	1341410	24.907	ug/L	100
35) Trichloroethene	9.09	95	348394	24.491	ug/L	98
36) Methylcyclohexane	9.34	83	646967	25.042	ug/L	100
40) 1,2-Dichloropropane	9.37	63	324476	24.694	ug/L	100
41) Bromodichloromethane	9.64	83	407075	24.098	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	509401	24.034	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	356946	45.607	ug/L	99

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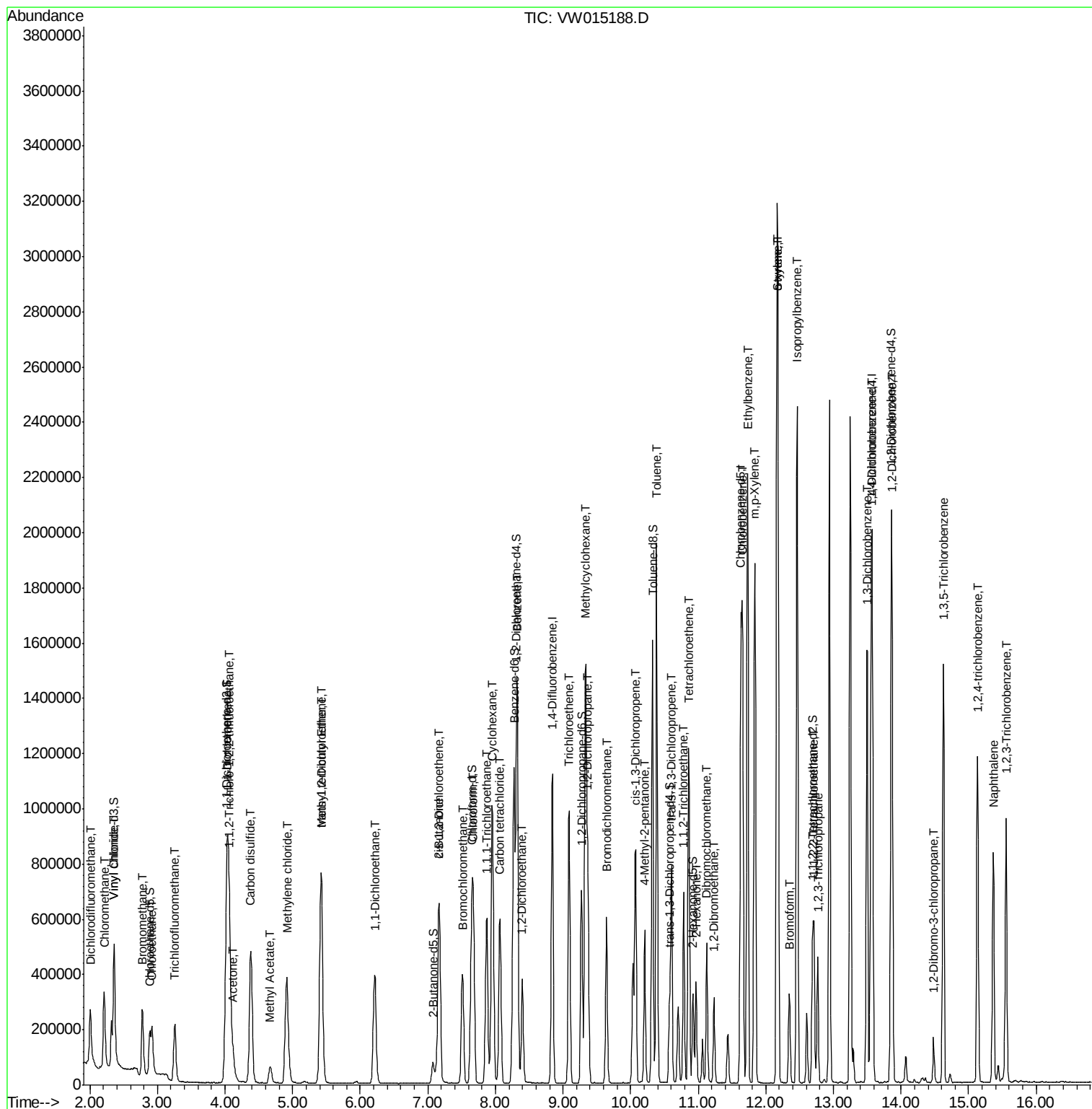
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.38	91	1427482	25.155	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	422852	23.177	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	222946	23.819	ug/L	98
47) Tetrachloroethene	10.86	164	268169	26.325	ug/L	97
49) 2-Hexanone	10.96	43	237375	46.025	ug/L	99
50) Dibromochloromethane	11.13	129	267175	24.388	ug/L	98
51) 1,2-Dibromoethane	11.23	107	210005	23.802	ug/L	97
52) Chlorobenzene	11.66	112	871218	24.992	ug/L	97
53) Ethylbenzene	11.73	91	1606854	25.178	ug/L	100
54) m,p-Xylene	11.84	106	619352	25.304	ug/L	98
55) o-xylene	12.16	106	592794	25.340	ug/L	96
56) Styrene	12.18	104	983457	24.996	ug/L	97
57) Isopropylbenzene	12.46	105	1599382	25.324	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	256629	23.530	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	185966	23.075	ug/L	99
62) Bromoform	12.35	173	145113	23.630	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	648566	25.581	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	626635	25.446	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	569443	25.292	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	40657	21.805	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	452918	25.946	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	377814	27.119	ug/L	97
69) Naphthalene	15.36	128	733156	26.268	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	318197	26.233	ug/L	99

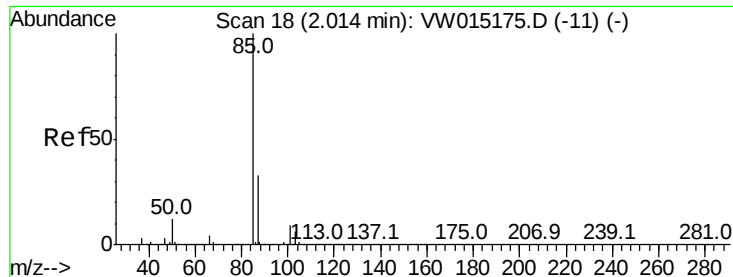
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 34.297 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW015188.D

Acq: 14 Apr 2020 12:13

Instrument :

MSVOA_W

ClientSampleId :

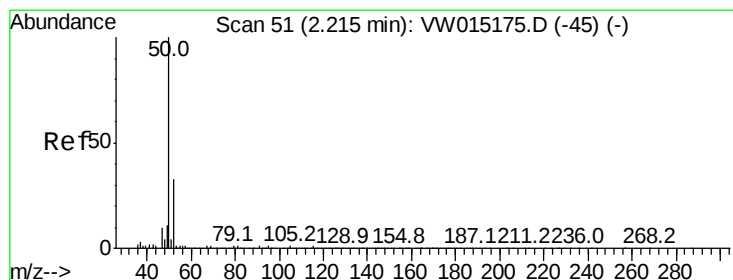
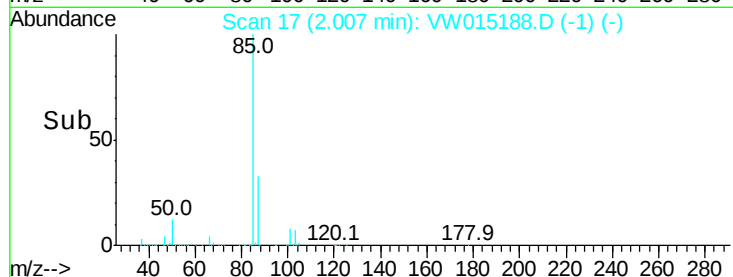
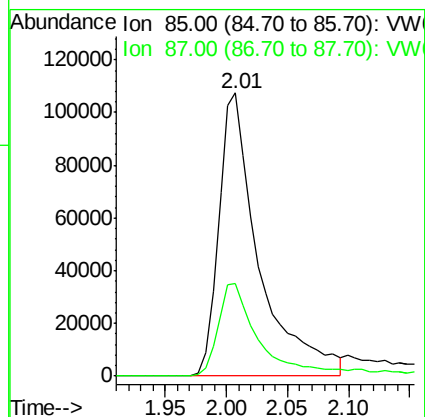
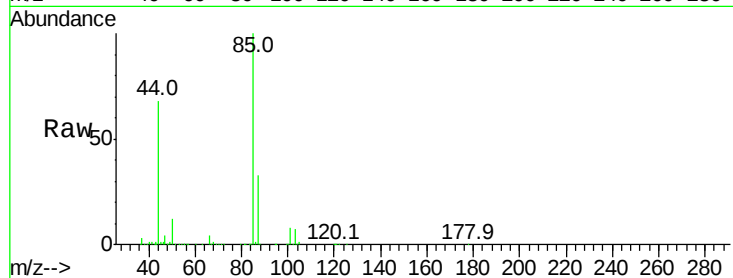
VSTD02501

Tgt Ion: 85 Resp: 243729

Ion Ratio Lower Upper

85 100

87 33.3 22.5 41.9



#3

Chloromethane

Concen: 33.295 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015188.D

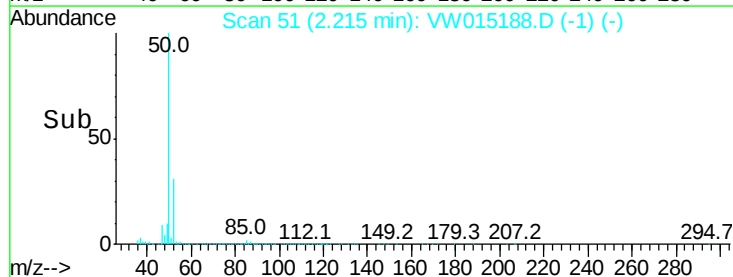
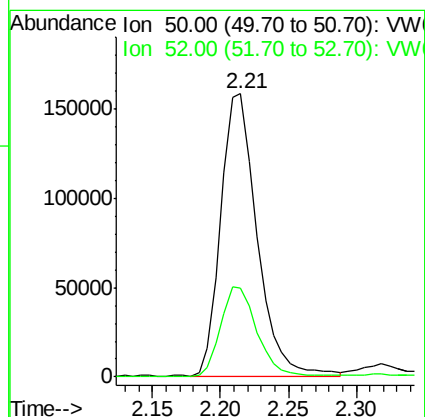
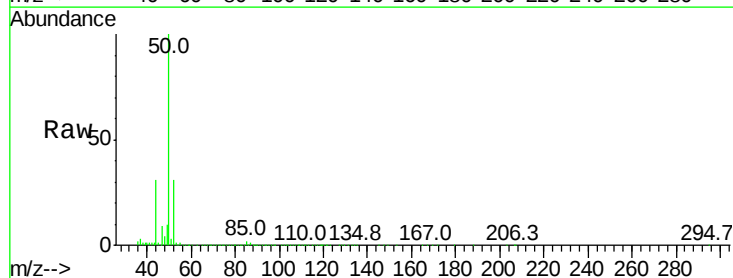
Acq: 14 Apr 2020 12:13

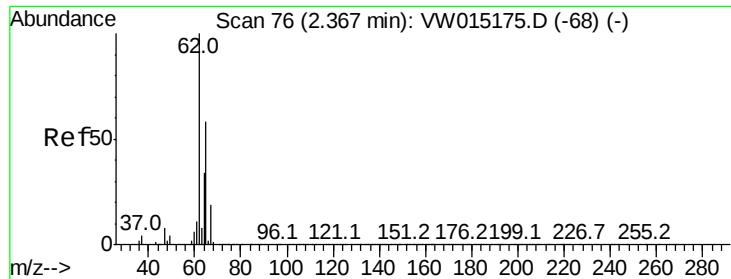
Tgt Ion: 50 Resp: 293716

Ion Ratio Lower Upper

50 100

52 31.4 23.2 43.0





#5

Vinyl chloride

Concen: 27.115 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW015188.D

Acq: 14 Apr 2020 12:13

Instrument :

MSVOA_W

ClientSampleId :

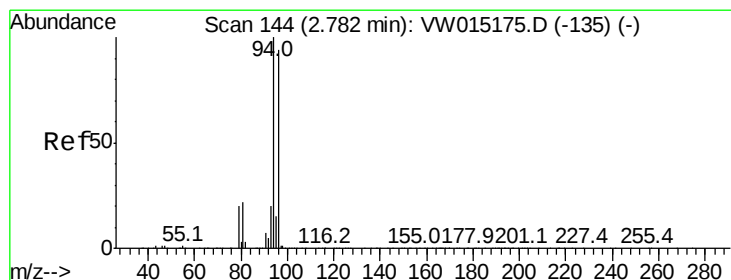
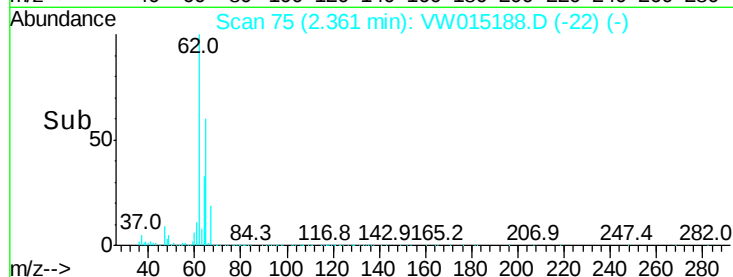
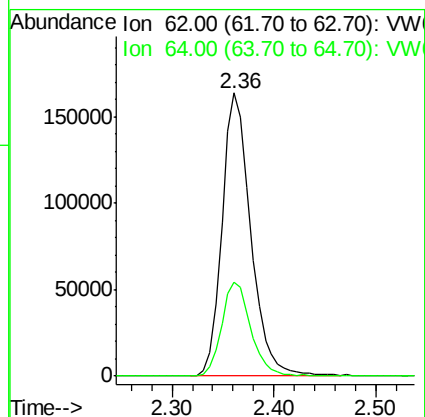
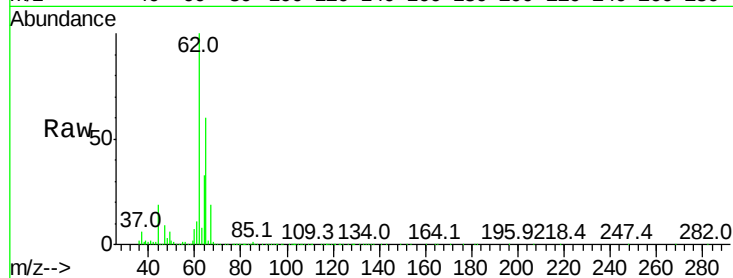
VSTD02501

Tgt Ion: 62 Resp: 320262

Ion Ratio Lower Upper

62 100

64 33.1 23.8 44.2



#6

Bromomethane

Concen: 27.969 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW015188.D

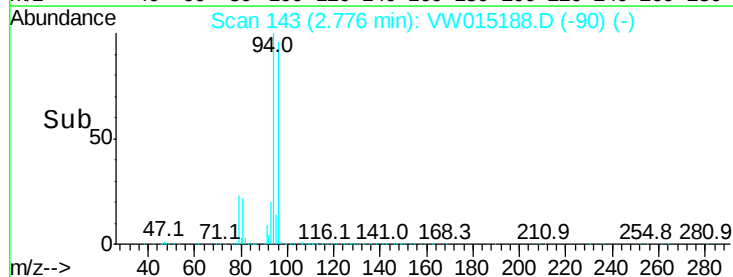
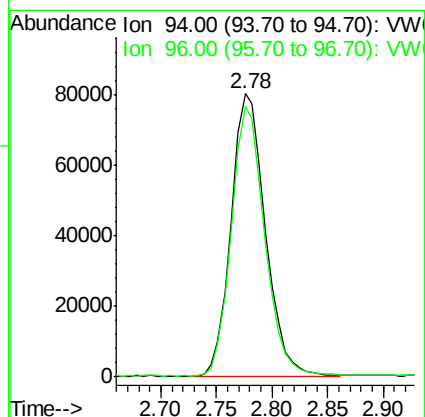
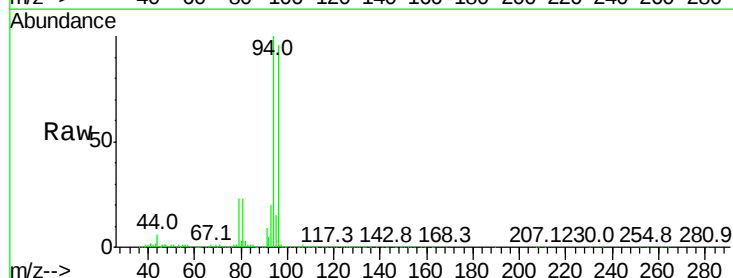
Acq: 14 Apr 2020 12:13

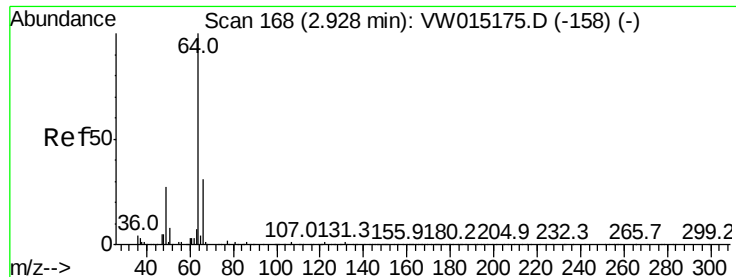
Tgt Ion: 94 Resp: 170857

Ion Ratio Lower Upper

94 100

96 92.9 9.5 181.3





#8

Chloroethane

Concen: 28.300 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW015188.D

Acq: 14 Apr 2020 12:13

Instrument :

MSVOA_W

ClientSampleId :

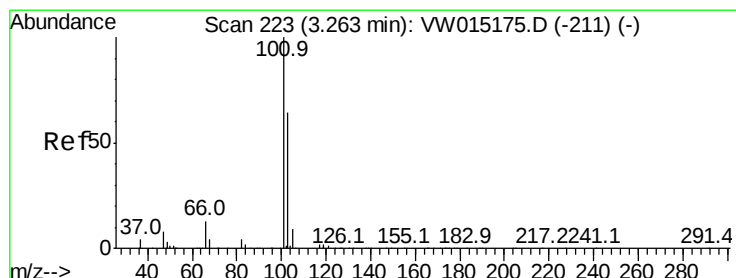
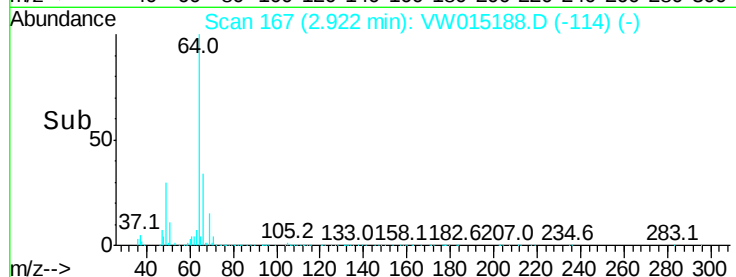
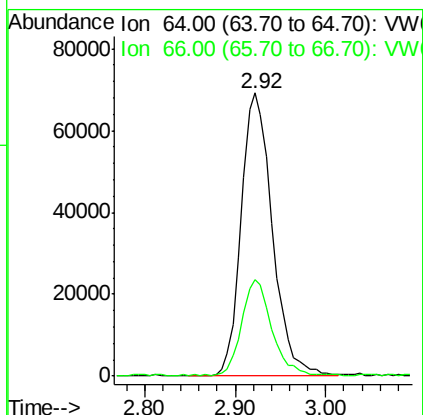
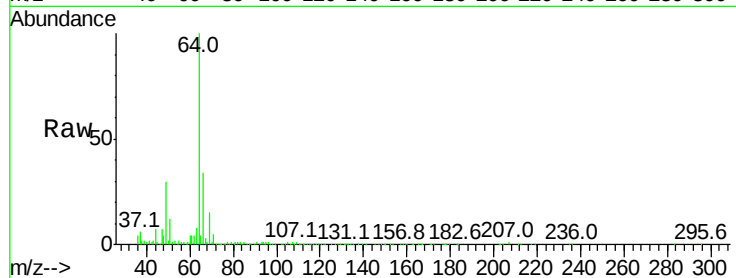
VSTD02501

Tgt Ion: 64 Resp: 165416

Ion Ratio Lower Upper

64 100

66 34.1 22.5 41.7



#9

Trichlorofluoromethane

Concen: 24.373 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

Lab File: VW015188.D

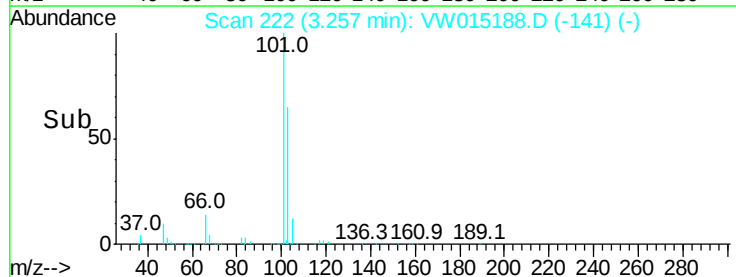
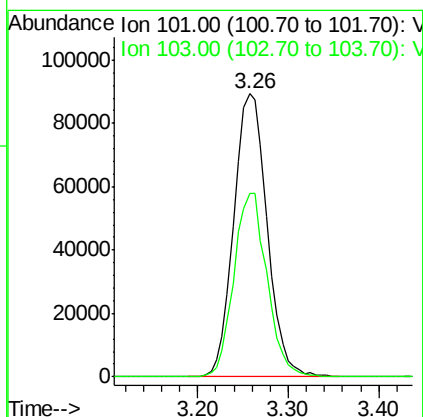
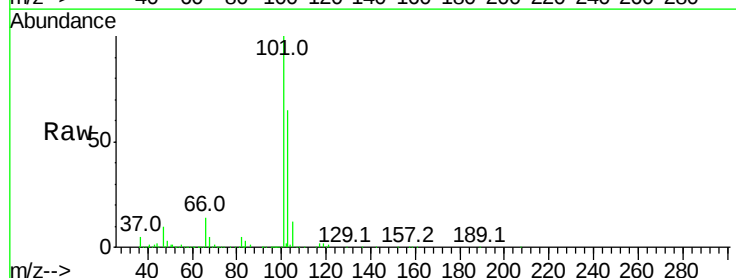
Acq: 14 Apr 2020 12:13

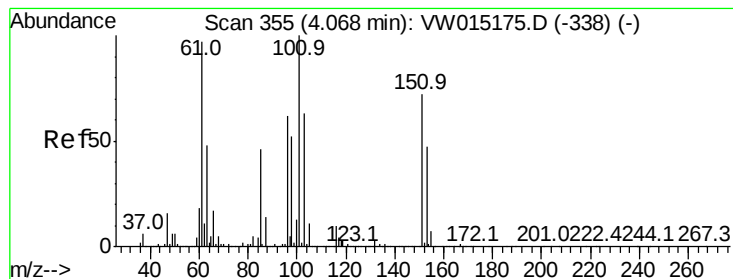
Tgt Ion: 101 Resp: 228175

Ion Ratio Lower Upper

101 100

103 64.7 44.9 83.5





#11

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

Concen: 25.372 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW015188.D

Acq: 14 Apr 2020 12:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD02501

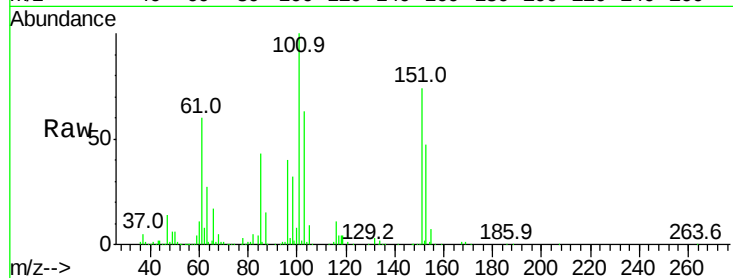
Tgt Ion: 101 Resp: 343317

Ion Ratio Lower Upper

101 100

85 41.9 34.0 51.0

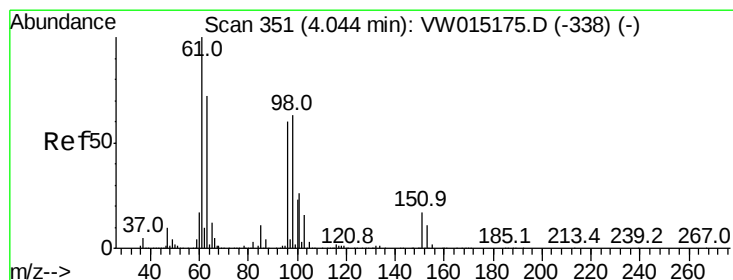
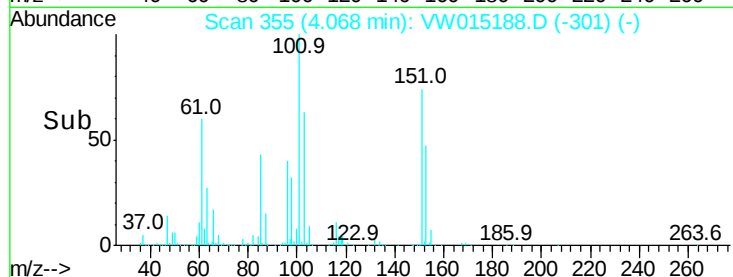
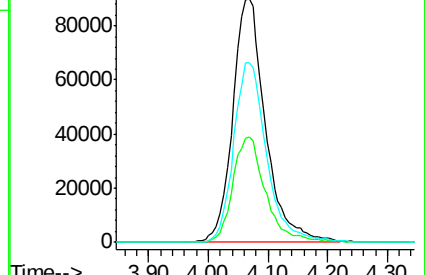
151 73.9 56.6 85.0



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: 25.010 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW015188.D

Acq: 14 Apr 2020 12:13

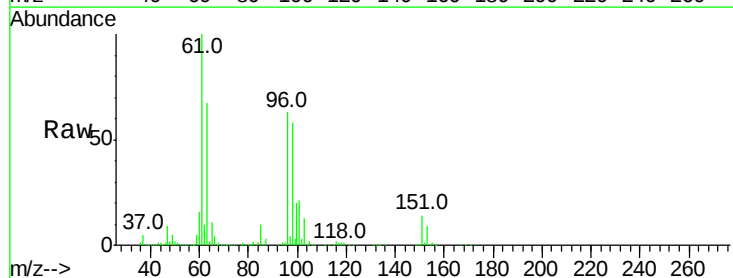
Tgt Ion: 96 Resp: 334327

Ion Ratio Lower Upper

96 100

61 158.6 116.4 216.2

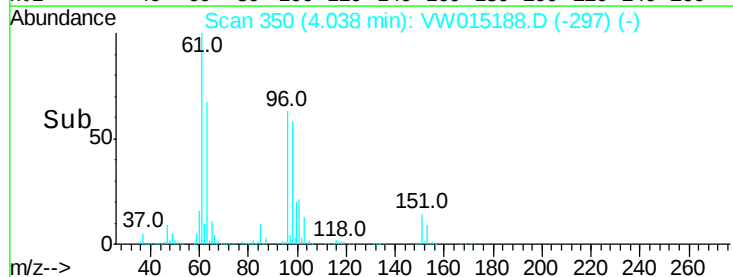
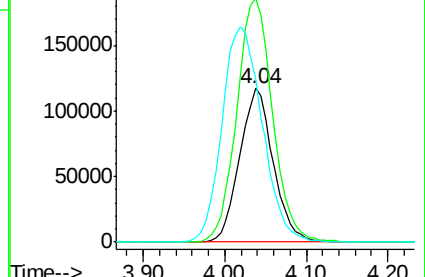
63 106.3 84.0 156.0

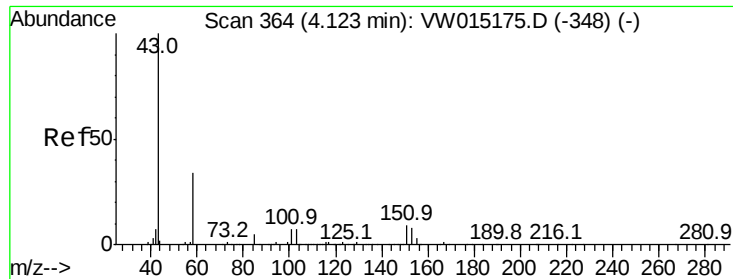


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 40.196 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

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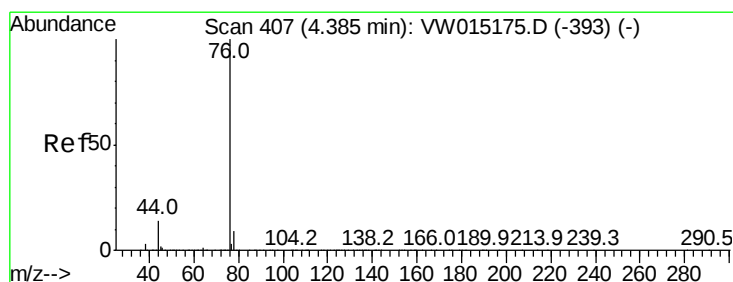
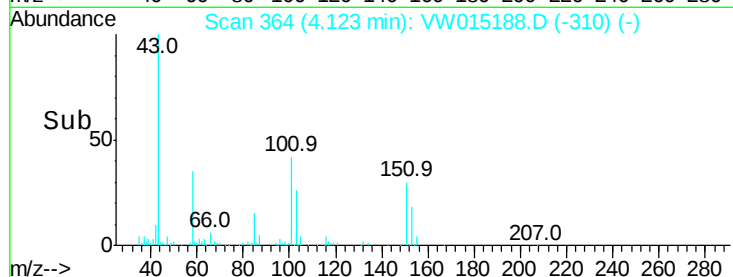
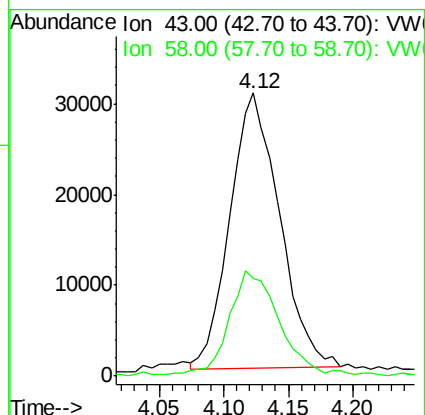
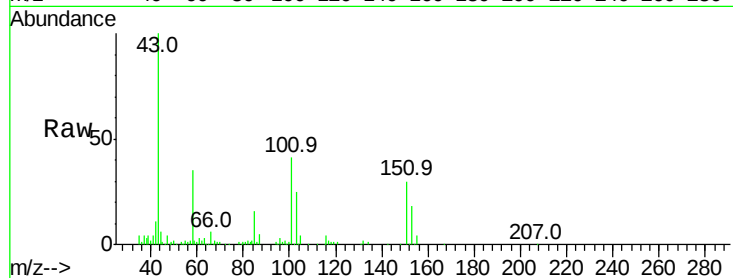
VSTD02501

Tgt Ion: 43 Resp: 81024

Ion Ratio Lower Upper

43 100

58 38.5 0.0 64.6



#14

Carbon disulfide

Concen: 24.019 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW015188.D

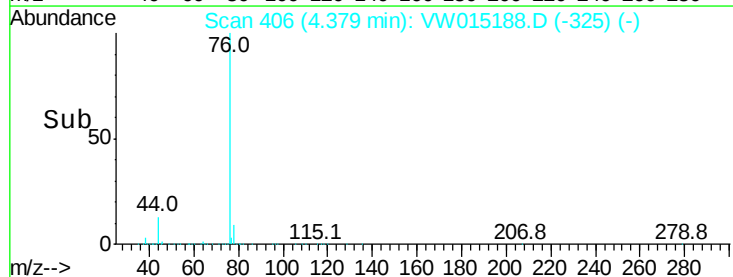
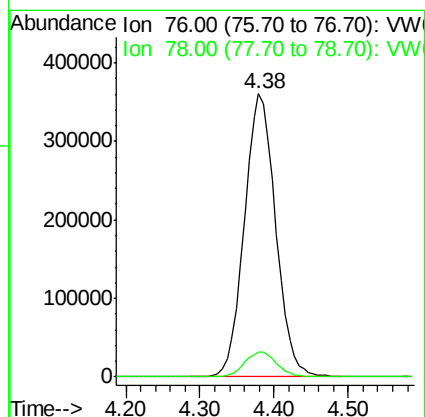
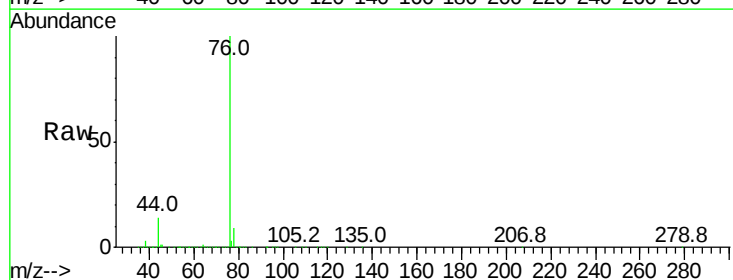
Acq: 14 Apr 2020 12:13

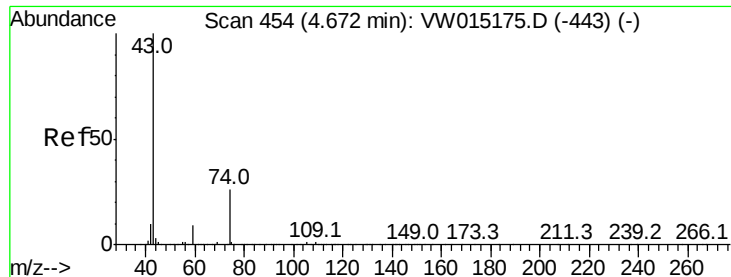
Tgt Ion: 76 Resp: 1064237

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9

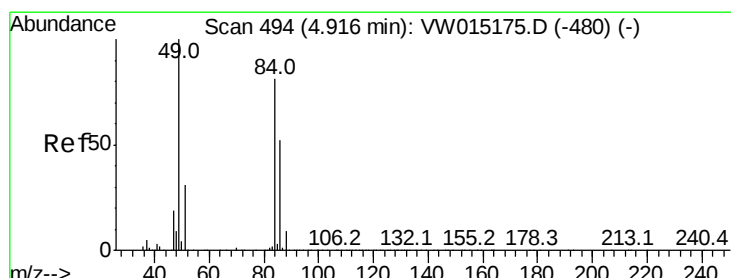
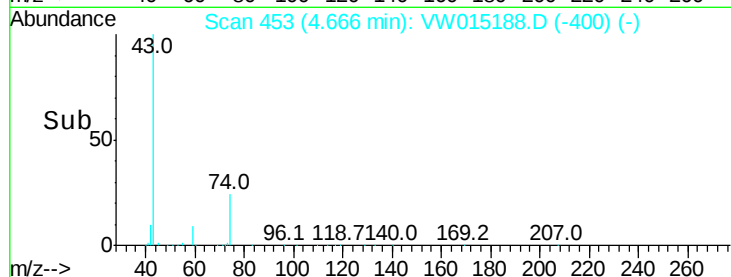
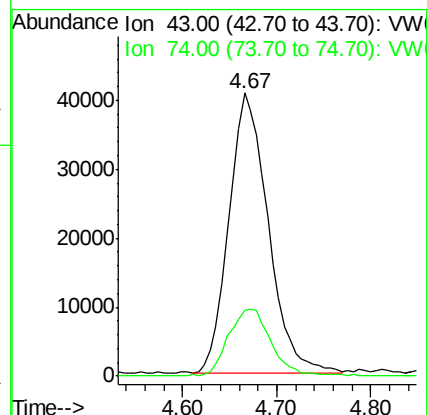
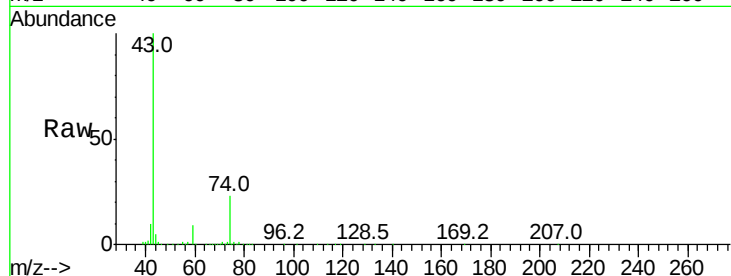




#15
Methyl Acetate
Concen: 24.313 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW015188.D
Acq: 14 Apr 2020 12:13

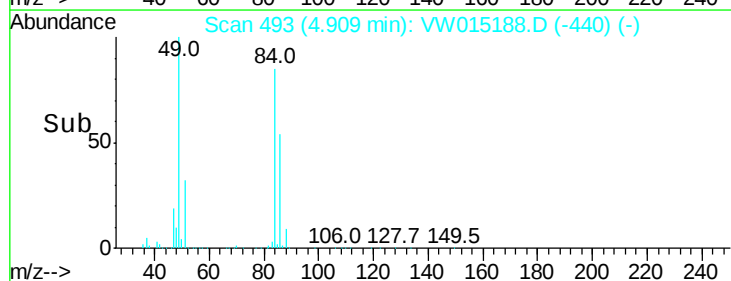
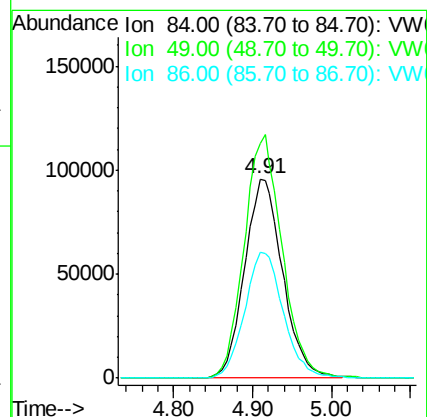
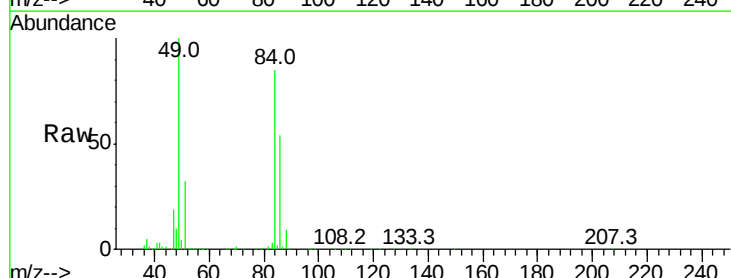
Instrument :
MSVOA_W
ClientSampleId :
VSTD02501

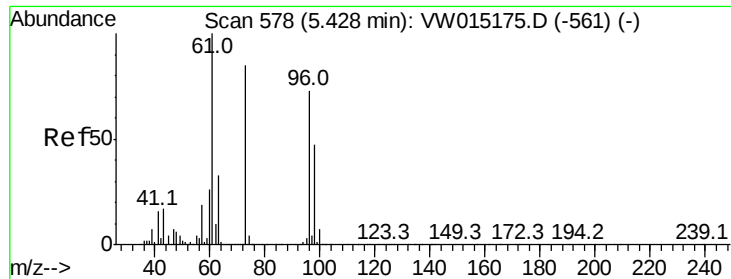
Tgt Ion: 43 Resp: 117653
Ion Ratio Lower Upper
43 100
74 25.9 19.4 29.2



#16
Methylene chloride
Concen: 23.043 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW015188.D
Acq: 14 Apr 2020 12:13

Tgt Ion: 84 Resp: 321168
Ion Ratio Lower Upper
84 100
49 117.6 85.8 159.4
86 63.0 44.7 82.9

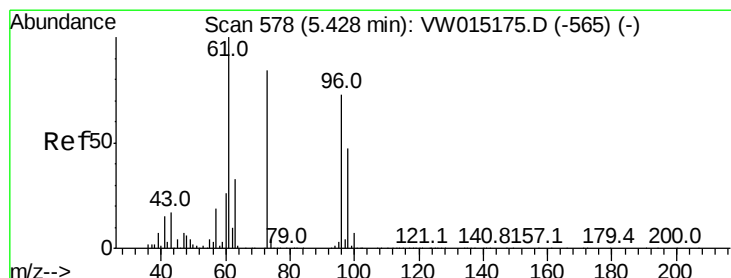
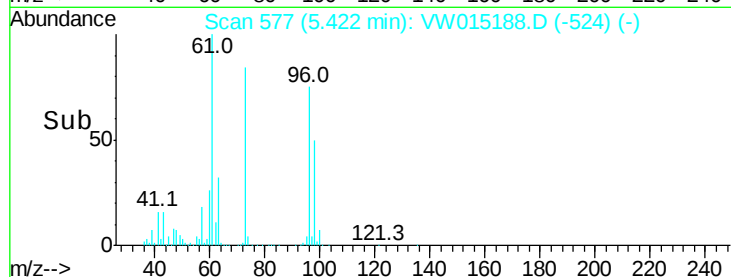
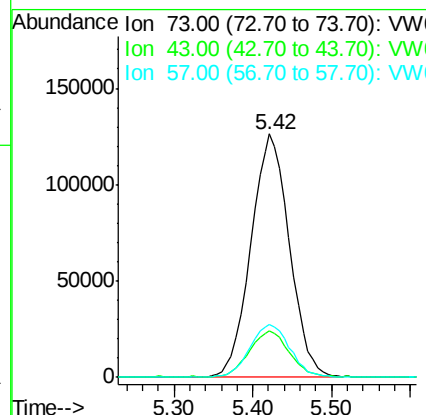
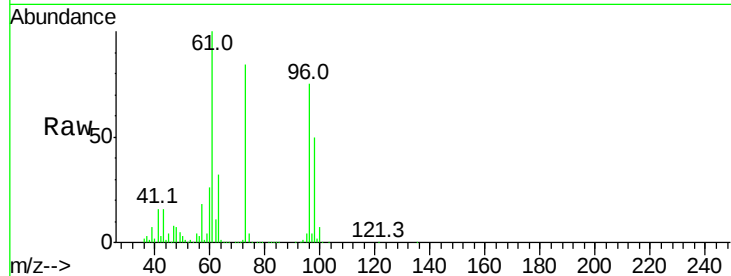




#17
Methyl tert-butyl Ether
Concen: 23.837 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW015188.D
Acq: 14 Apr 2020 12:13

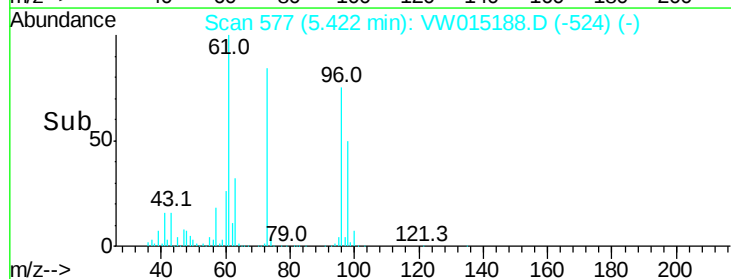
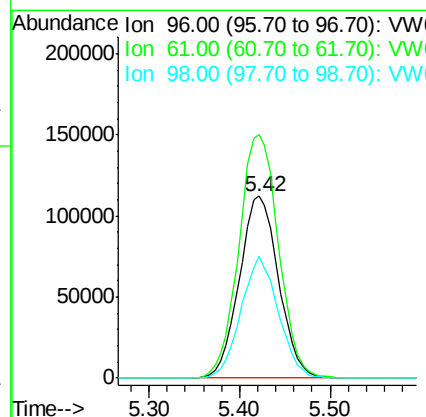
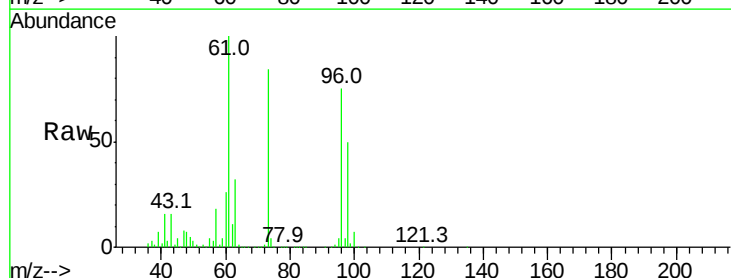
Instrument :
MSVOA_W
ClientSampled :
VSTD02501

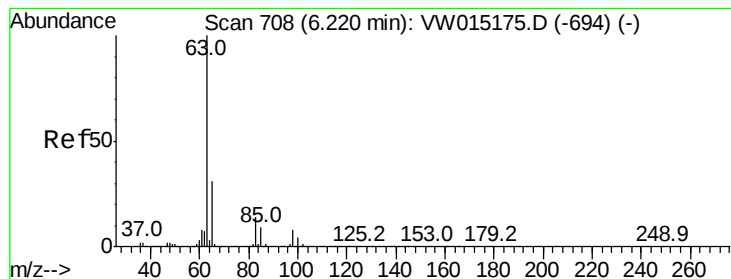
Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.6	15.8	23.8
57	22.4	17.6	26.4



#18
trans-1,2-Dichloroethene
Concen: 24.856 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW015188.D
Acq: 14 Apr 2020 12:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	133.7	95.5	177.3
98	66.9	45.1	83.9





#19

1,1-Dichloroethane

Concen: 24.634 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW015188.D

Acq: 14 Apr 2020 12:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD02501

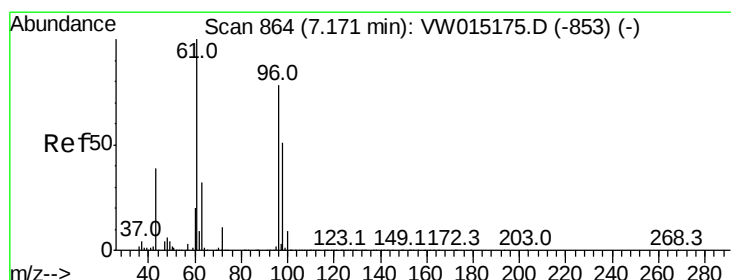
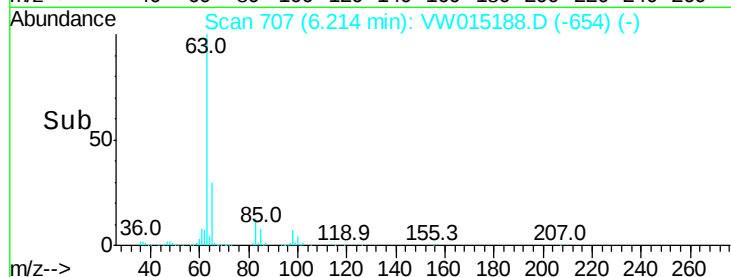
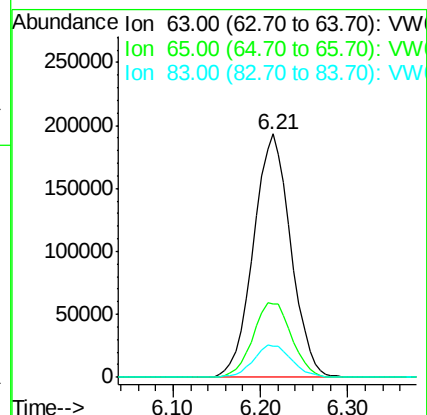
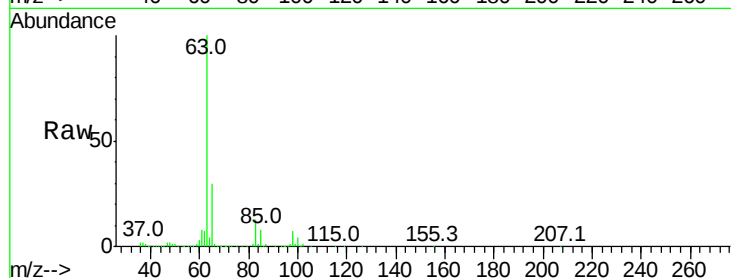
Tgt Ion: 63 Resp: 575142

Ion Ratio Lower Upper

63 100

65 30.4 22.0 40.8

83 12.9 9.7 17.9



#21

2-Butanone

Concen: 45.853 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW015188.D

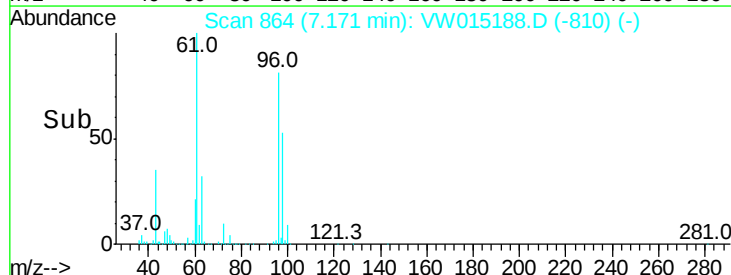
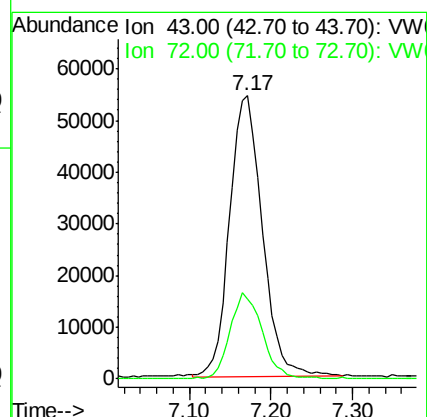
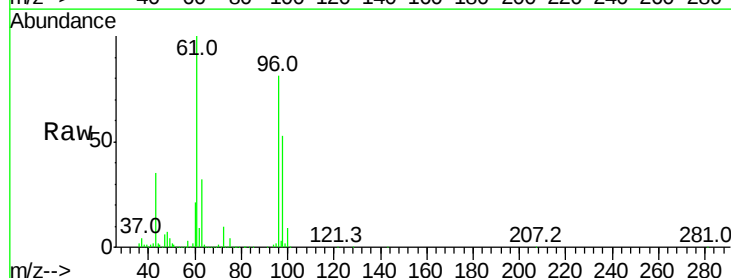
Acq: 14 Apr 2020 12:13

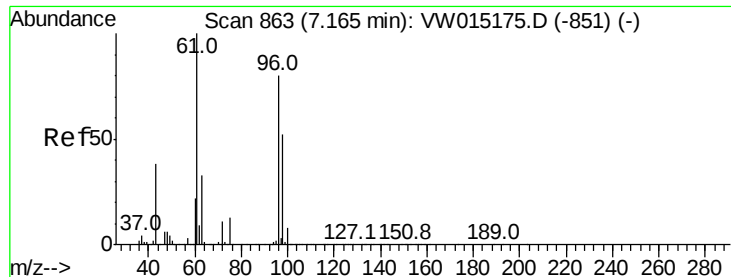
Tgt Ion: 43 Resp: 150698

Ion Ratio Lower Upper

43 100

72 29.8 14.4 43.0





#22

cis-1,2-Dichloroethene

Concen: 24.896 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW015188.D

Acq: 14 Apr 2020 12:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD02501

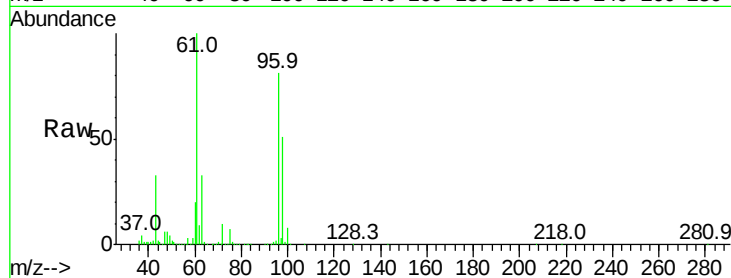
Tgt Ion: 96 Resp: 350473

Ion Ratio Lower Upper

96 100

61 123.9 87.8 163.0

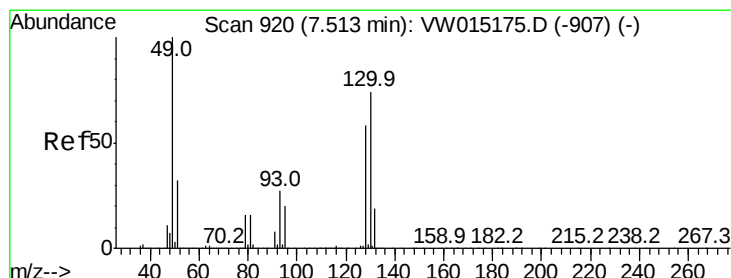
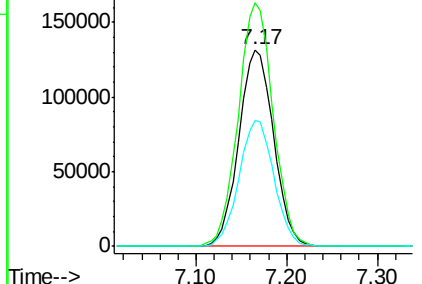
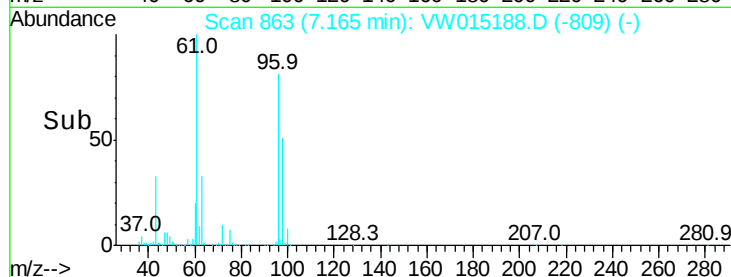
98 63.8 45.7 84.9



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: 25.173 ug/L

RT: 7.51 min Scan# 920

Delta R.T. -0.00 min

Lab File: VW015188.D

Acq: 14 Apr 2020 12:13

Tgt Ion: 128 Resp: 145565

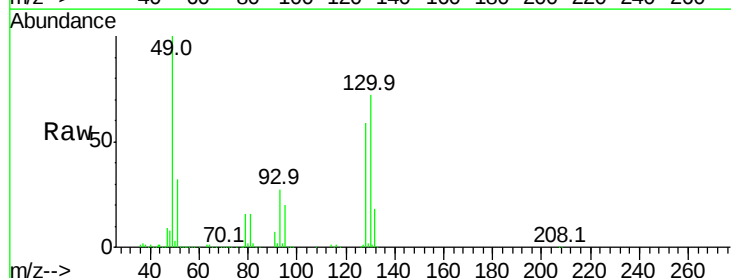
Ion Ratio Lower Upper

128 100

49 170.2 121.1 224.9

130 123.3 90.1 167.3

51 53.8 44.6 66.8

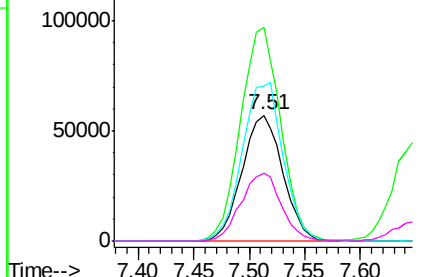
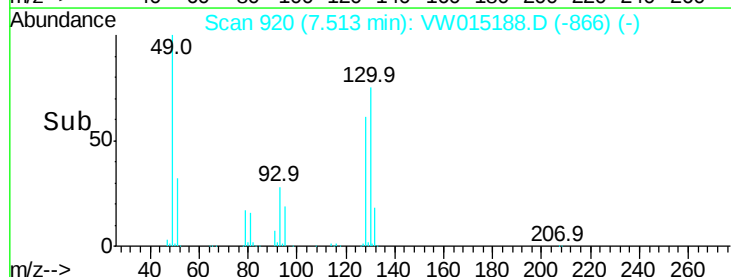


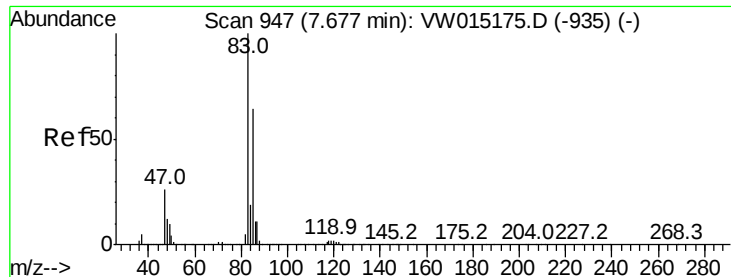
Abundance Ion 128.00 (127.70 to 128.70): V

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: 24.465 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW015188.D

Acq: 14 Apr 2020 12:13

Instrument :

MSVOA_W

ClientSampleId :

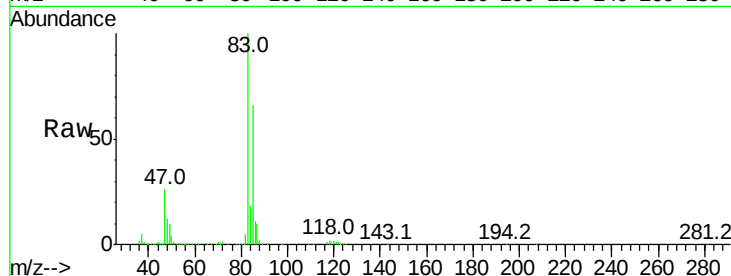
VSTD02501

Tgt Ion: 83 Resp: 555278

Ion Ratio Lower Upper

83 100

85 66.4 45.3 84.1



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

7.68

250000

200000

150000

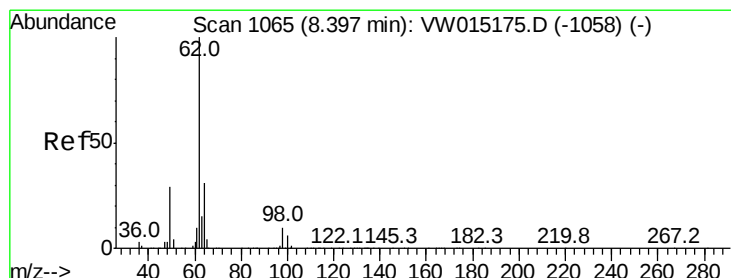
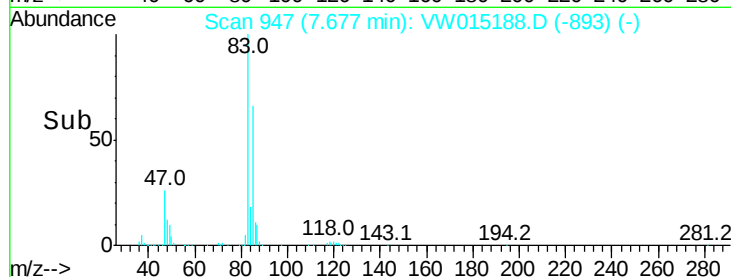
100000

50000

0

Time-->

7.60 7.70



#27

1,2-Dichloroethane

Concen: 23.582 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW015188.D

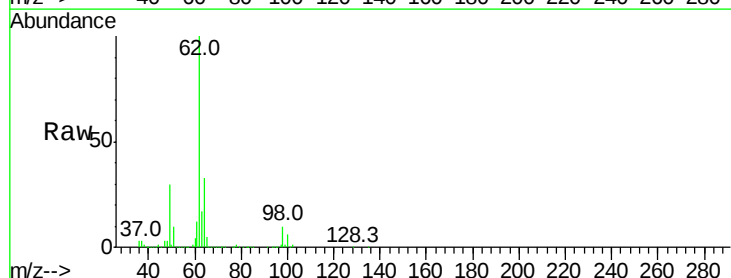
Acq: 14 Apr 2020 12:13

Tgt Ion: 62 Resp: 325620

Ion Ratio Lower Upper

62 100

98 10.2 7.9 11.9



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

8.40

150000

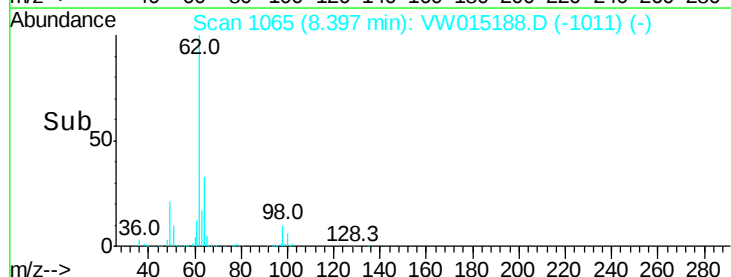
100000

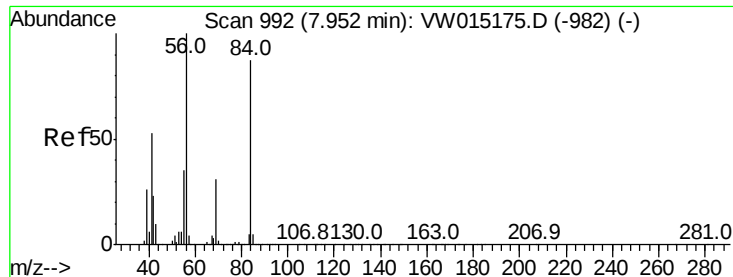
50000

0

Time-->

8.30 8.35 8.40 8.45 8.50

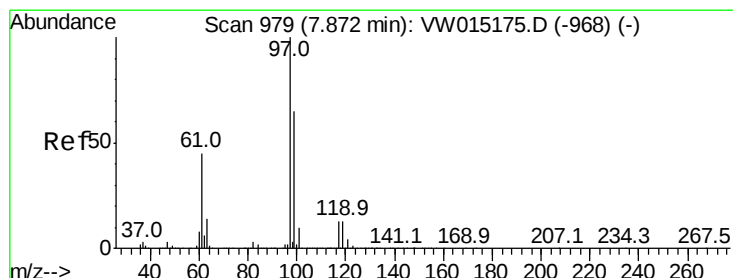
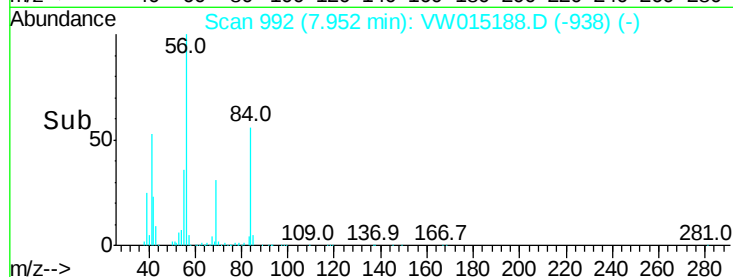
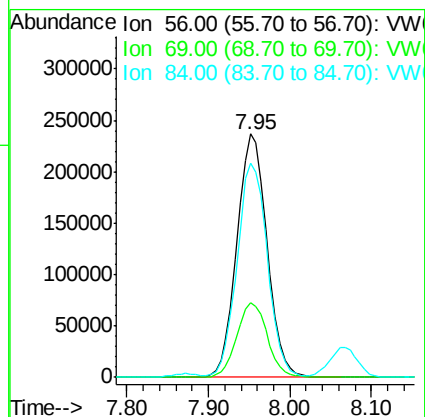
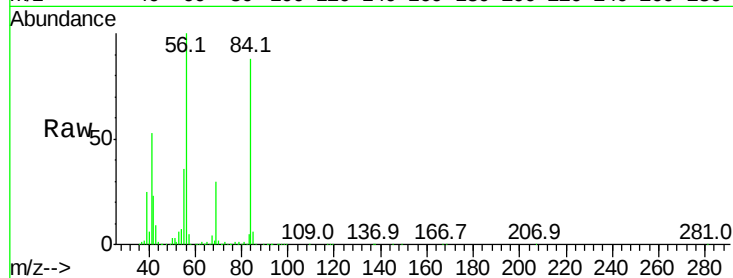




#30
Cyclohexane
Concen: 25.067 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW015188.D
Acq: 14 Apr 2020 12:13

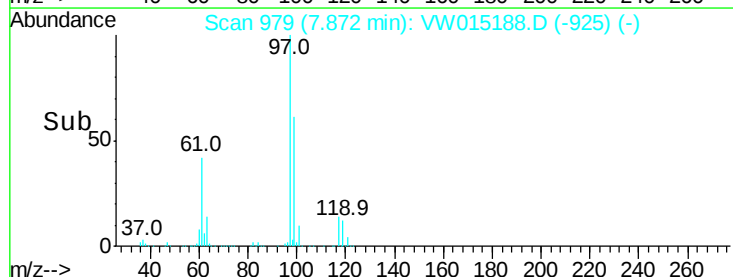
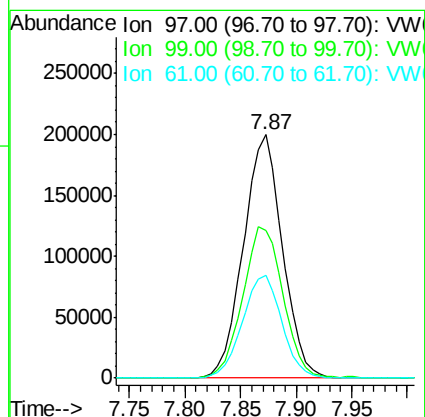
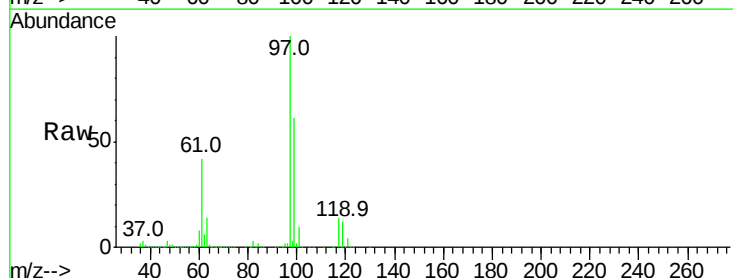
Instrument :
MSVOA_W
ClientSampleId :
VSTD02501

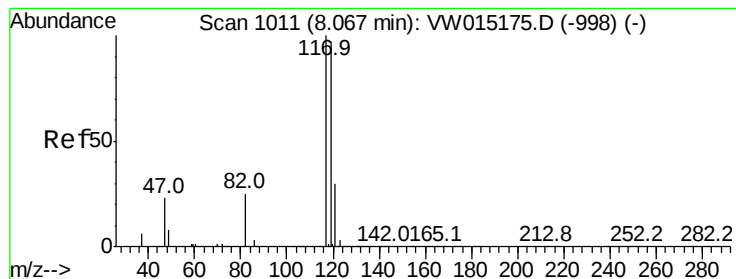
Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.0	24.9	37.3
84	88.8	70.6	105.8



#31
1,1,1-Trichloroethane
Concen: 24.899 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW015188.D
Acq: 14 Apr 2020 12:13

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.5	77.3
61	42.6	35.3	52.9





#32

Carbon tetrachloride

Concen: 25.158 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW015188.D

Acq: 14 Apr 2020 12:13

Instrument :

MSVOA_W

ClientSampleId :

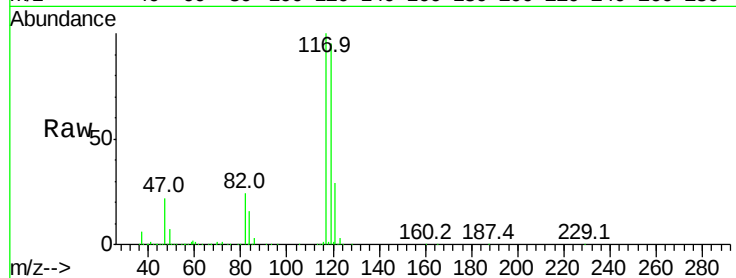
VSTD02501

Tgt Ion:117 Resp: 451377

Ion Ratio Lower Upper

117 100

119 95.0 77.4 116.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

200000

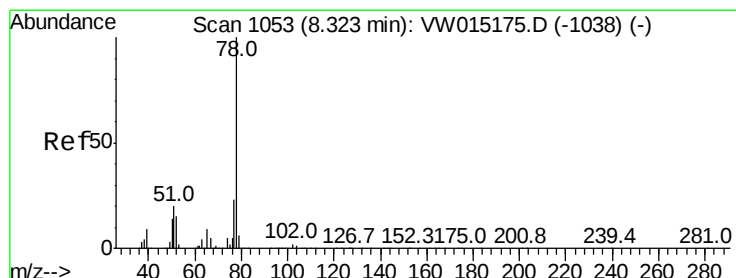
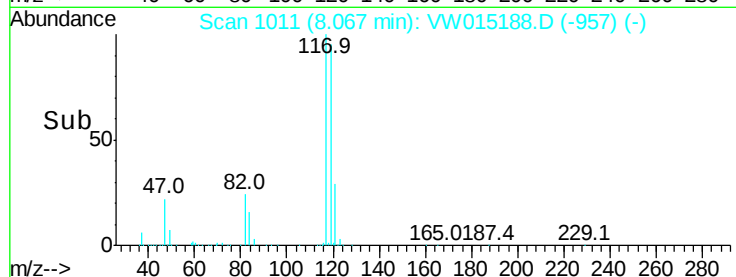
150000

100000

50000

0

Time-->



#34

Benzene

Concen: 24.907 ug/L

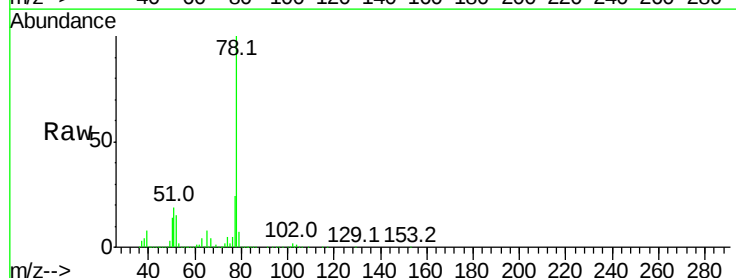
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW015188.D

Acq: 14 Apr 2020 12:13

Tgt Ion: 78 Resp: 1341410



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

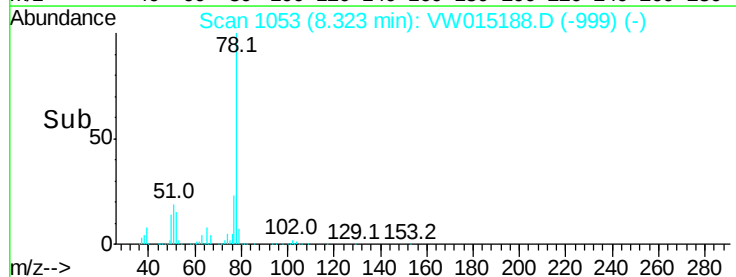
600000

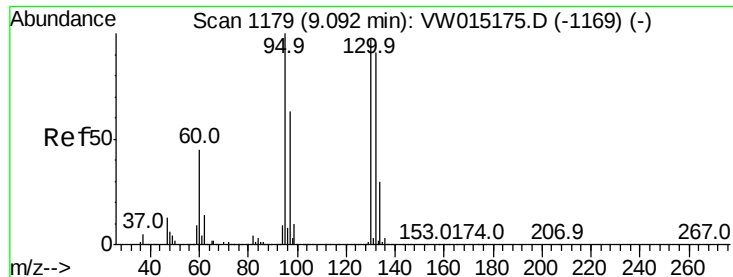
400000

200000

0

Time-->

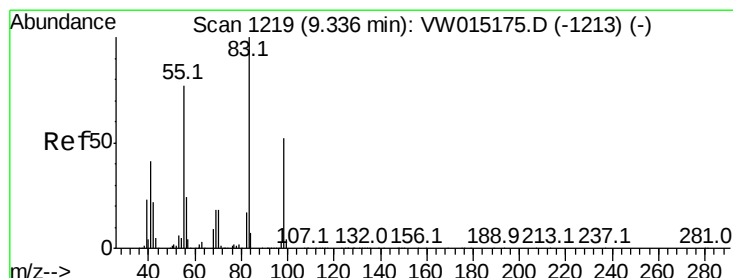
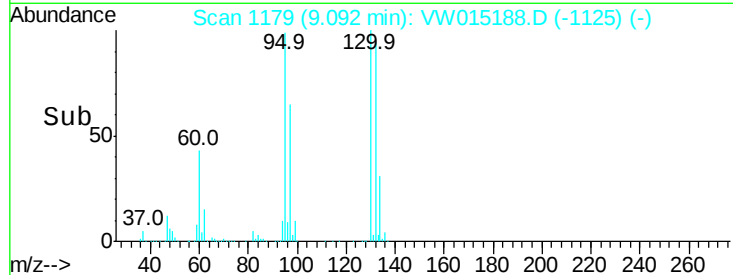
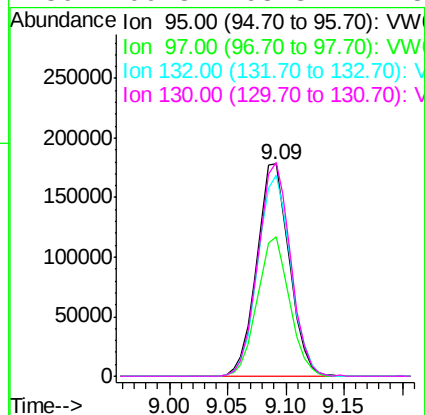
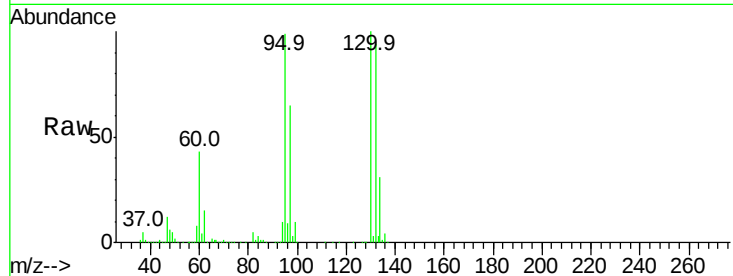




#35
 Trichloroethene
 Concen: 24.491 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW015188.D
 Acq: 14 Apr 2020 12:13

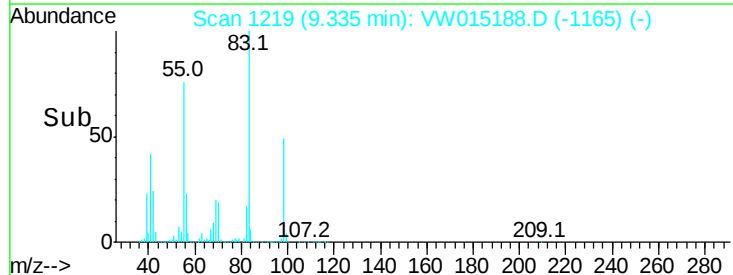
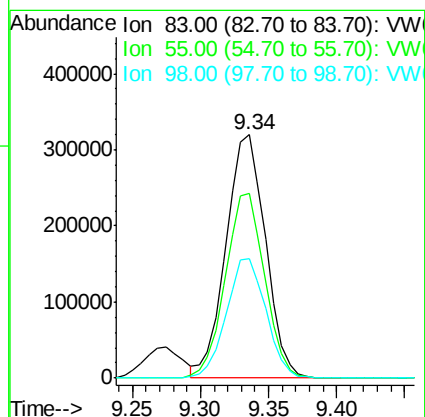
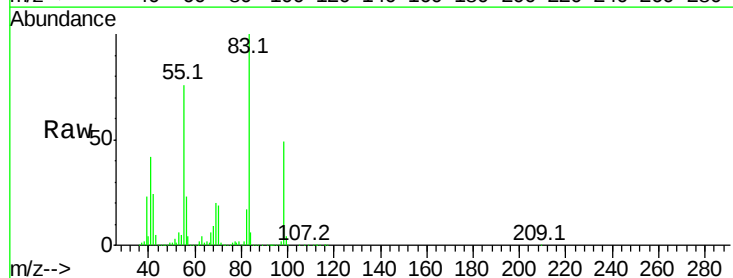
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02501

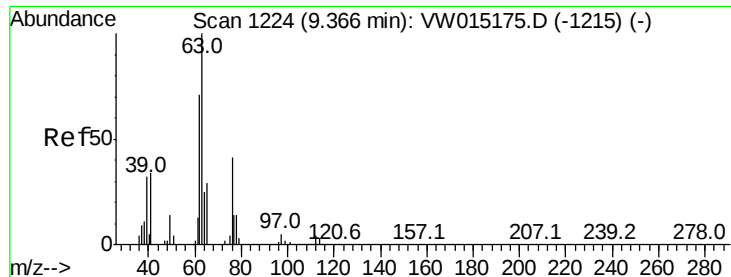
Tgt Ion:	95	Resp:	348394
Ion	Ratio	Lower	Upper
95	100		
97	64.8	44.7	83.1
132	95.8	65.7	122.1
130	100.8	68.8	127.8



#36
 Methylcyclohexane
 Concen: 25.042 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW015188.D
 Acq: 14 Apr 2020 12:13

Tgt Ion:	83	Resp:	646967
Ion	Ratio	Lower	Upper
83	100		
55	75.1	60.6	91.0
98	49.2	39.4	59.0

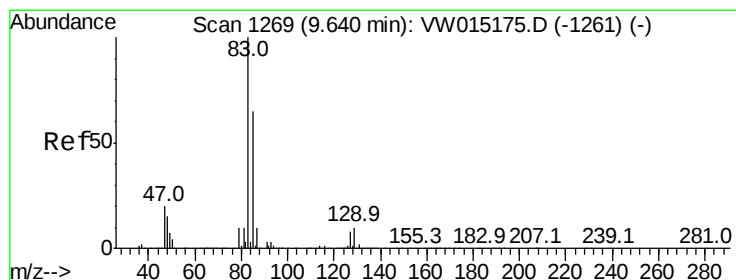
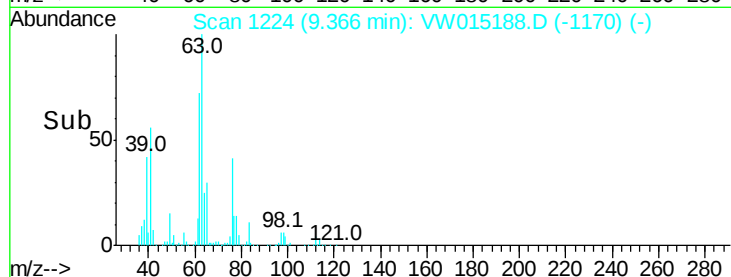
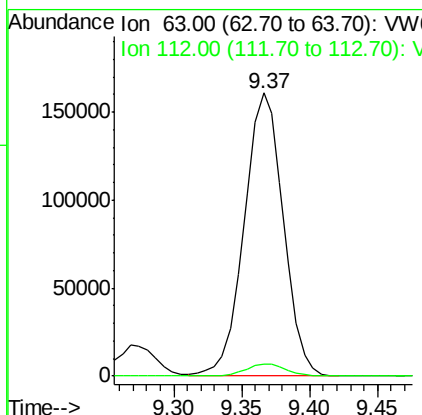
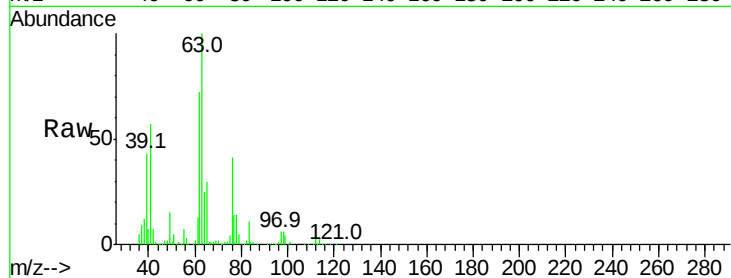




#40
 1,2-Dichloropropane
 Concen: 24.694 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW015188.D
 Acq: 14 Apr 2020 12:13

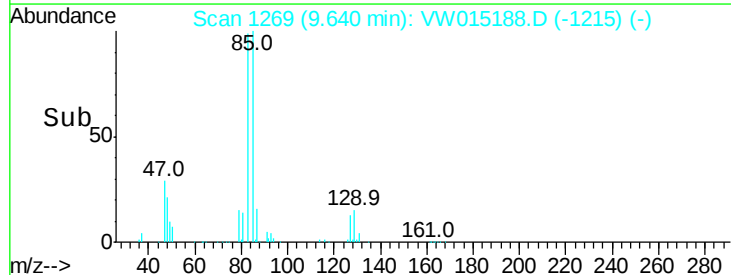
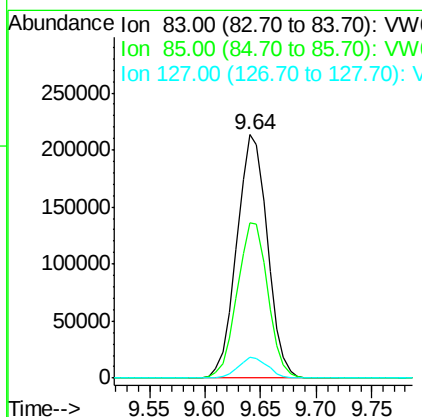
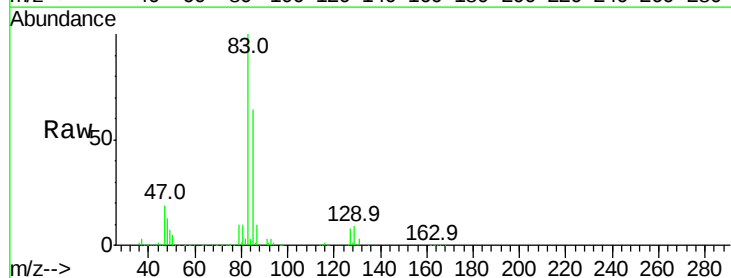
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02501

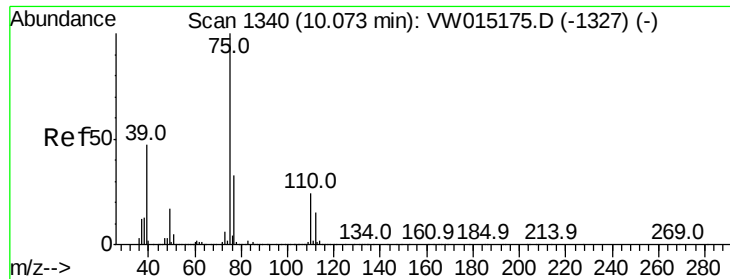
Tgt Ion: 63 Resp: 324476
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.4 5.2



#41
 Bromodichloromethane
 Concen: 24.098 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW015188.D
 Acq: 14 Apr 2020 12:13

Tgt Ion: 83 Resp: 407075
 Ion Ratio Lower Upper
 83 100
 85 63.5 45.4 84.4
 127 8.3 6.5 9.7





#42

cis-1,3-Dichloropropene

Concen: 24.034 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW015188.D

Acq: 14 Apr 2020 12:13

Instrument :

MSVOA_W

ClientSampleId :

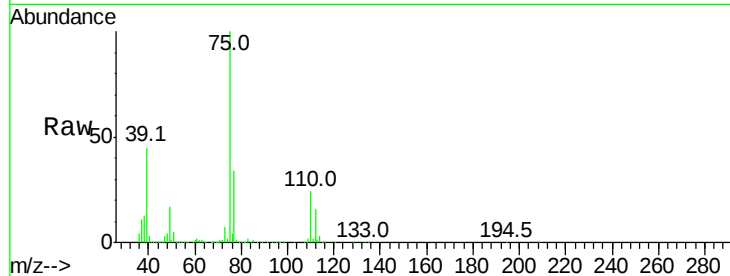
VSTD02501

Tgt Ion: 75 Resp: 509401

Ion Ratio Lower Upper

75 100

77 33.6 23.0 42.8



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

250000

200000

150000

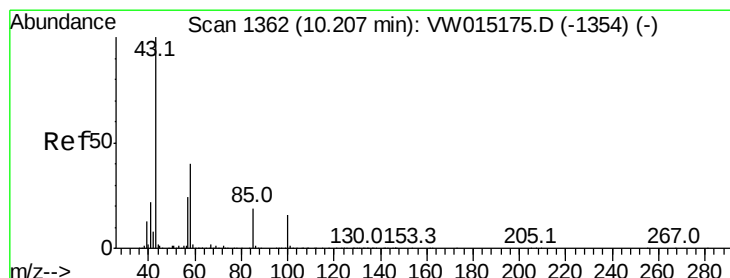
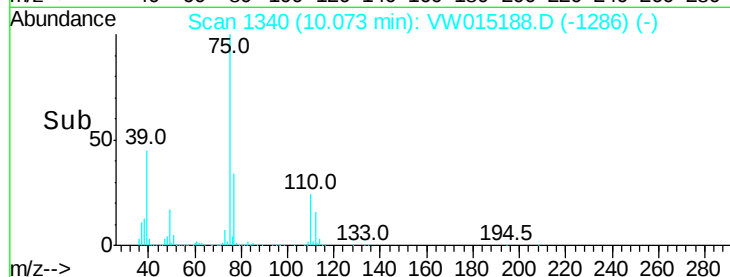
100000

50000

0

Time-->

10.00 10.10



#43

4-Methyl-2-pentanone

Concen: 45.607 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW015188.D

Acq: 14 Apr 2020 12:13

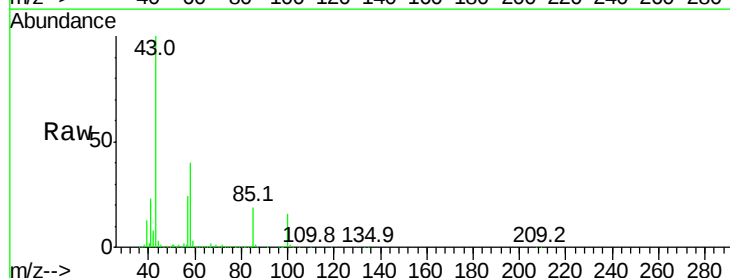
Tgt Ion: 43 Resp: 356946

Ion Ratio Lower Upper

43 100

58 40.6 33.0 49.4

100 16.3 12.9 19.3



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

500000

400000

300000

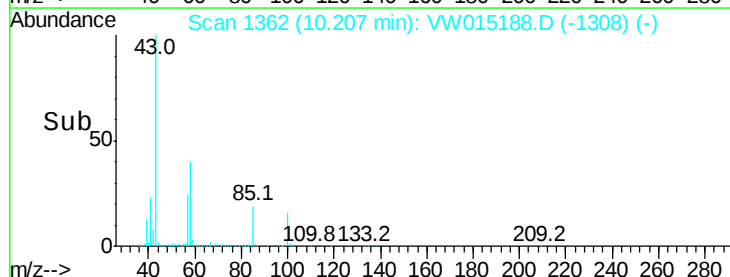
200000

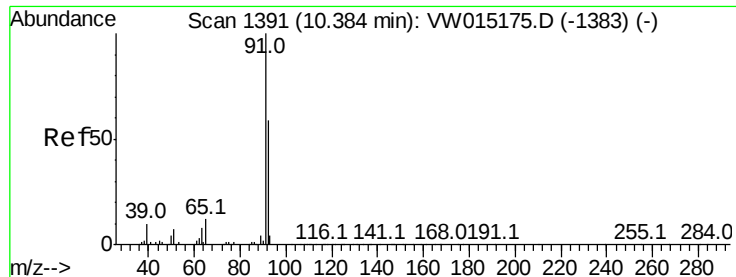
100000

0

Time-->

10.10 10.20





#44

Toluene

Concen: 25.155 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW015188.D

Acq: 14 Apr 2020 12:13

Instrument :

MSVOA_W

ClientSampleId :

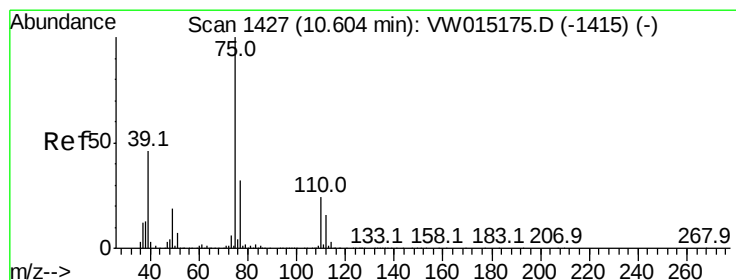
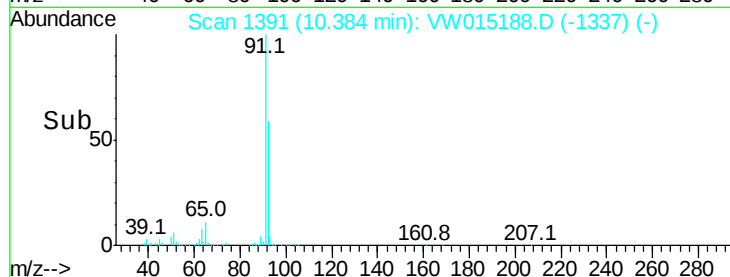
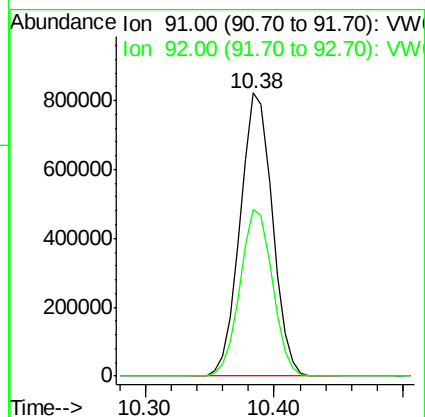
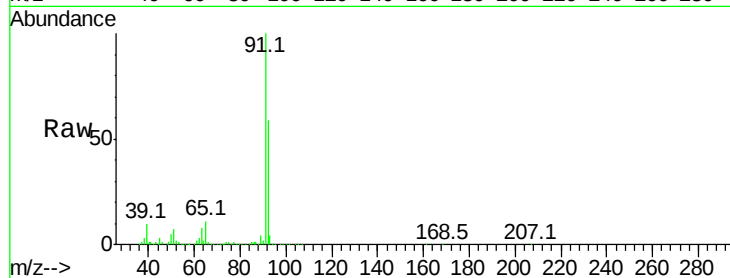
VSTD02501

Tgt Ion: 91 Resp: 1427482

Ion Ratio Lower Upper

91 100

92 59.0 41.6 77.2



#45

trans-1,3-Dichloropropene

Concen: 23.177 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW015188.D

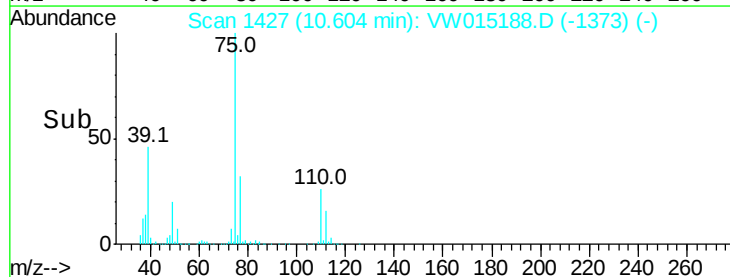
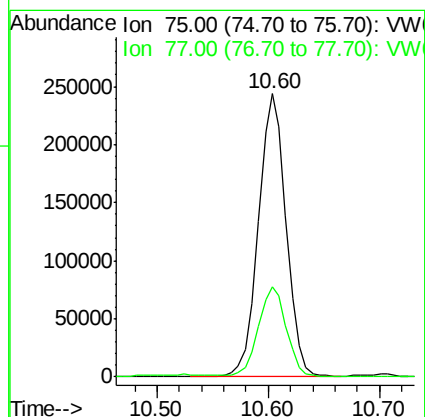
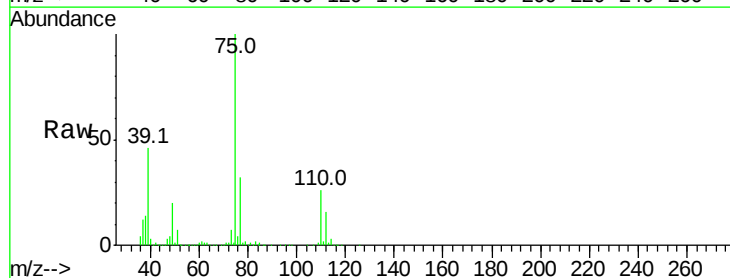
Acq: 14 Apr 2020 12:13

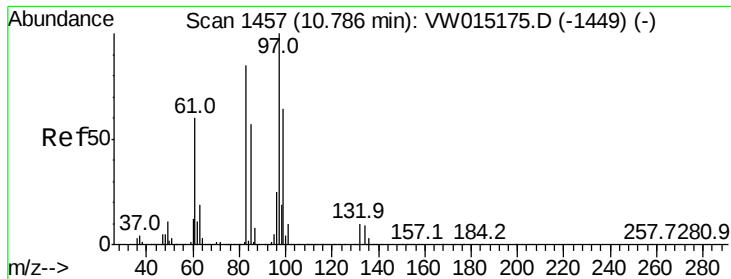
Tgt Ion: 75 Resp: 422852

Ion Ratio Lower Upper

75 100

77 31.9 22.4 41.6





#46

1,1,2-Trichloroethane

Concen: 23.819 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW015188.D

Acq: 14 Apr 2020 12:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD02501

Tgt Ion: 97 Resp: 222946

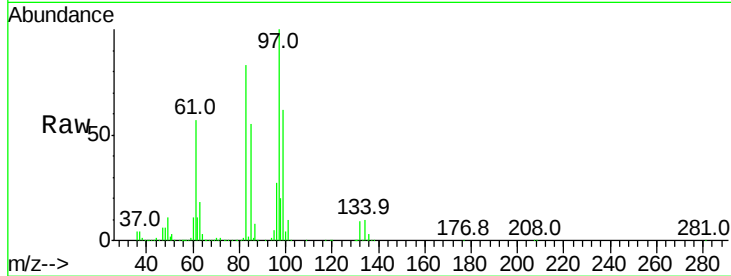
Ion Ratio Lower Upper

97 100

83 82.7 59.8 111.0

85 55.0 39.8 73.8

99 62.4 44.4 82.4

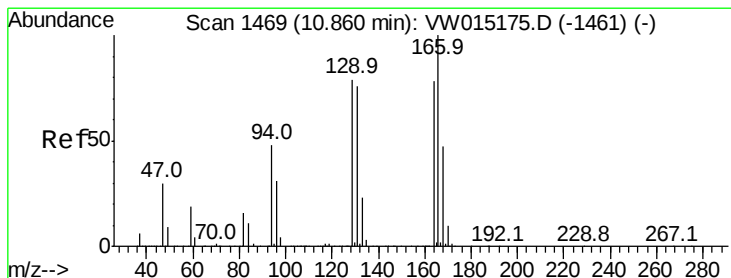
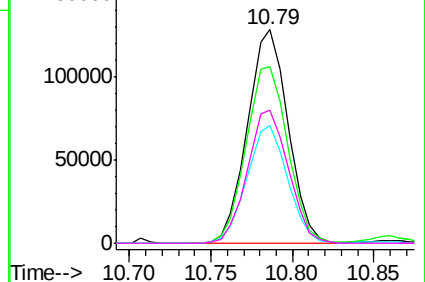
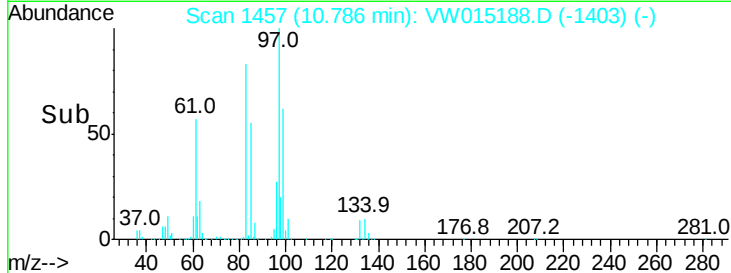


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 26.325 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW015188.D

Acq: 14 Apr 2020 12:13

Tgt Ion: 164 Resp: 268169

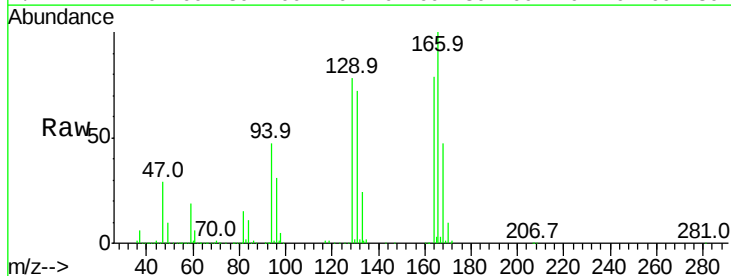
Ion Ratio Lower Upper

164 100

129 99.1 70.7 131.3

131 91.0 67.6 125.6

166 126.3 89.3 165.9

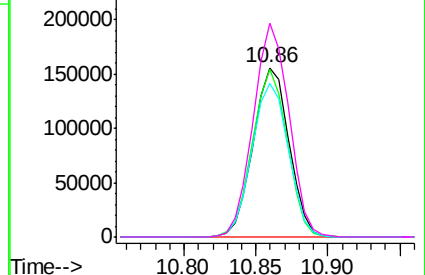
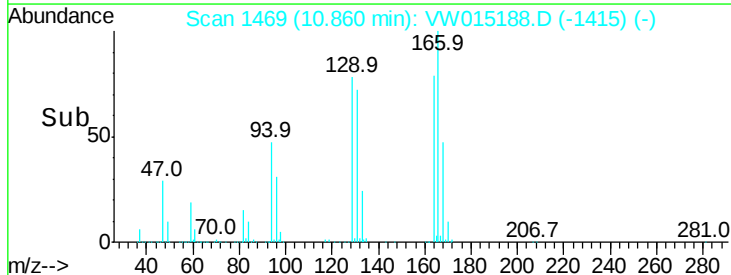


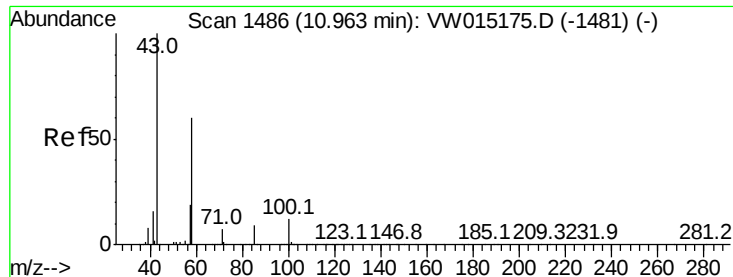
Abundance Ion 164.00 (163.70 to 164.70): V

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

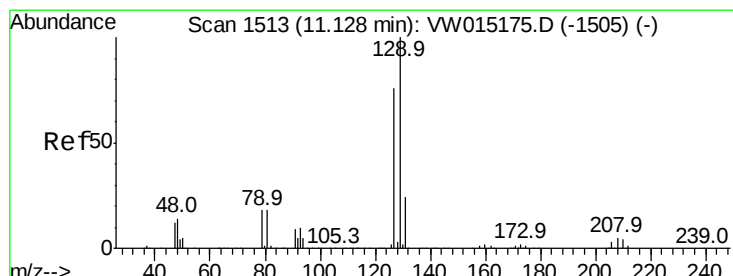
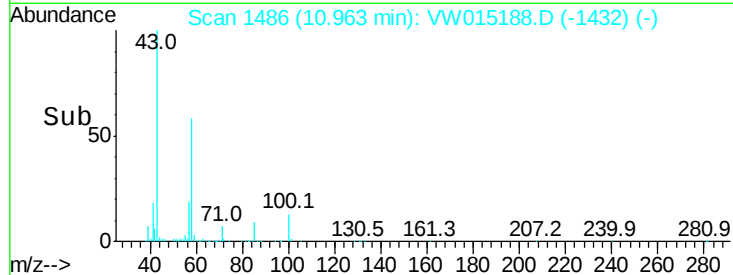
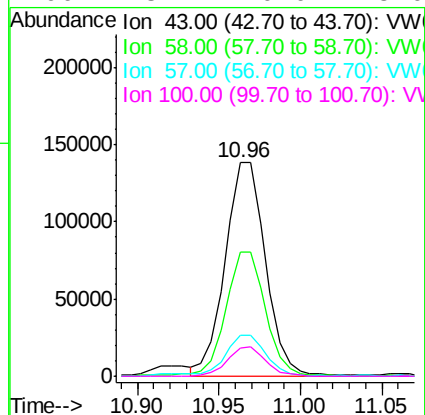
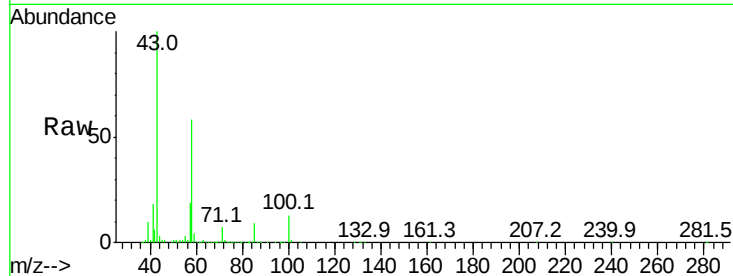




#49
2-Hexanone
Concen: 46.025 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW015188.D
Acq: 14 Apr 2020 12:13

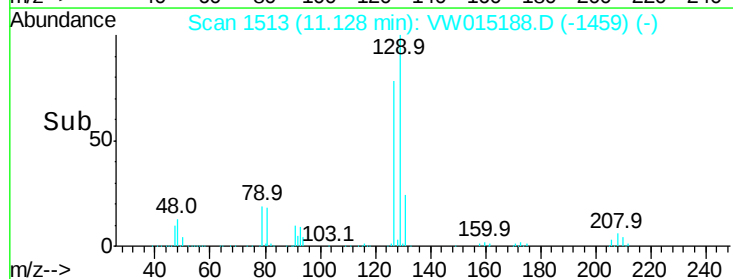
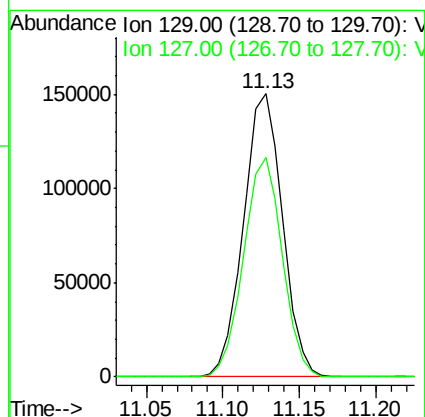
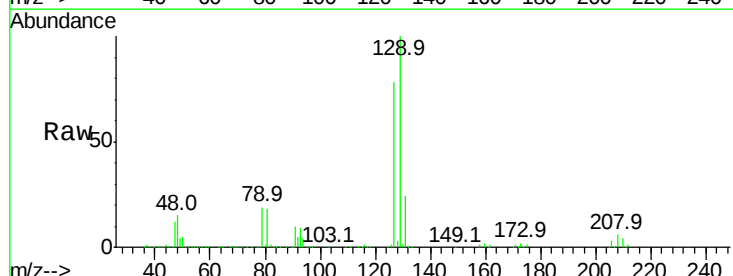
Instrument :
MSVOA_W
ClientSampleId :
VSTD02501

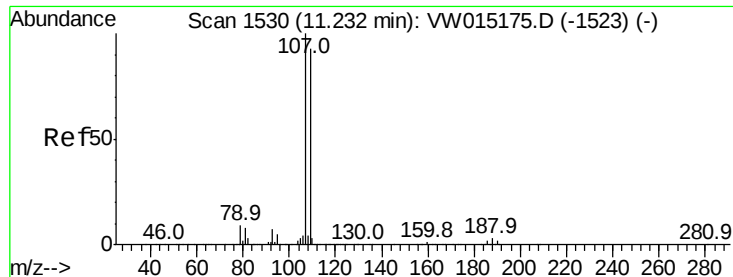
Tgt Ion:	43	Resp:	237375
Ion	Ratio	Lower	Upper
43	100		
58	57.2	45.4	68.2
57	18.9	15.2	22.8
100	13.1	10.0	15.0



#50
Dibromochloromethane
Concen: 24.388 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW015188.D
Acq: 14 Apr 2020 12:13

Tgt Ion:	129	Resp:	267175
Ion	Ratio	Lower	Upper
129	100		
127	77.6	53.1	98.7





#51

1,2-Dibromoethane

Concen: 23.802 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW015188.D

Acq: 14 Apr 2020 12:13

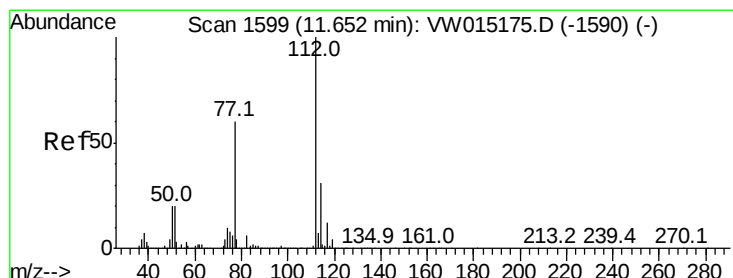
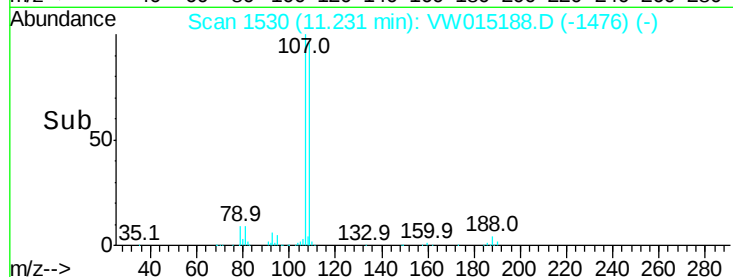
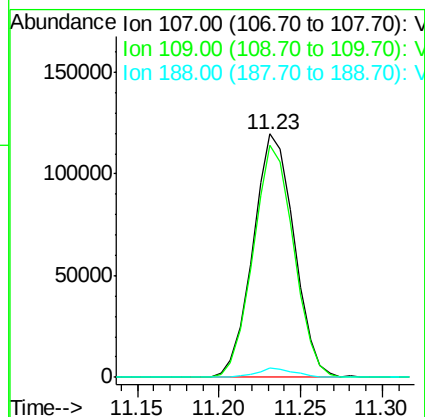
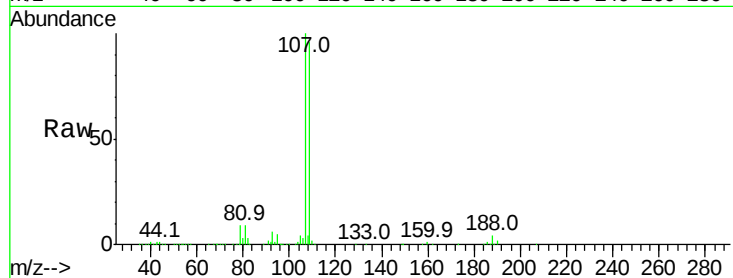
Instrument :

MSVOA_W

ClientSampleId :

VSTD02501

Tgt Ion:	107	Resp:	210005
Ion Ratio	Lower	Upper	
107	100		
109	95.5	65.0	120.8
188	3.8	2.6	4.0



#52

Chlorobenzene

Concen: 24.992 ug/L

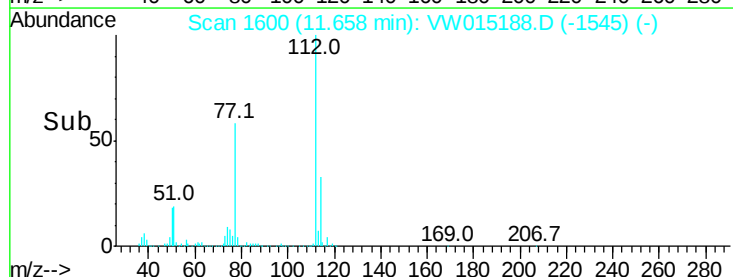
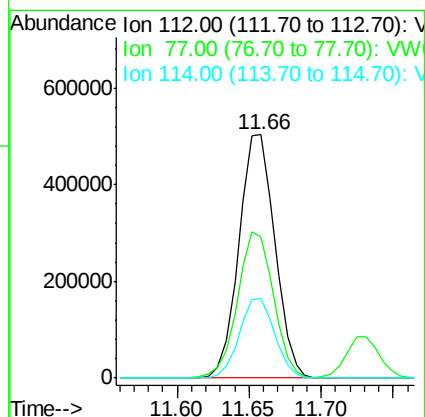
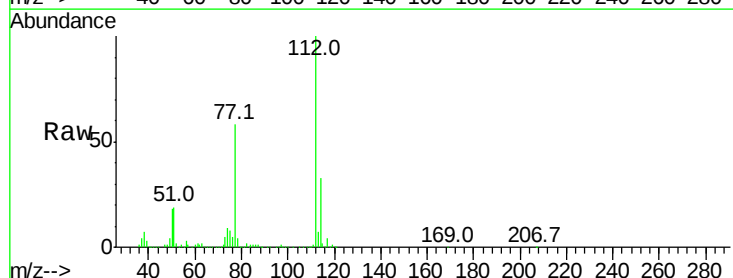
RT: 11.66 min Scan# 1600

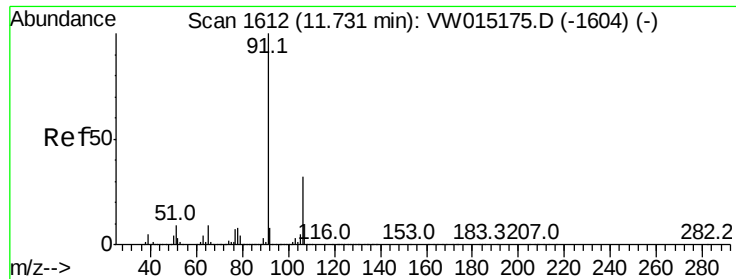
Delta R.T. 0.01 min

Lab File: VW015188.D

Acq: 14 Apr 2020 12:13

Tgt Ion:	112	Resp:	871218
Ion Ratio	Lower	Upper	
112	100		
77	57.8	47.8	71.8
114	32.5	21.8	40.6





#53

Ethylbenzene

Concen: 25.178 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW015188.D

Acq: 14 Apr 2020 12:13

Instrument :

MSVOA_W

ClientSampled :

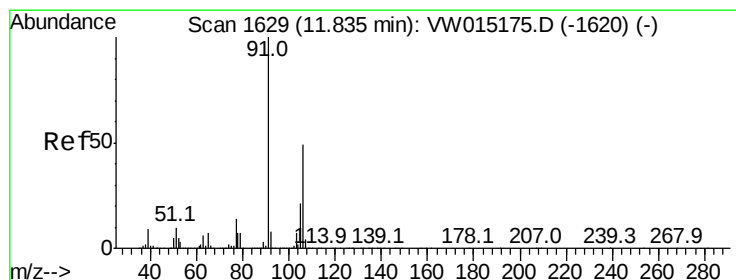
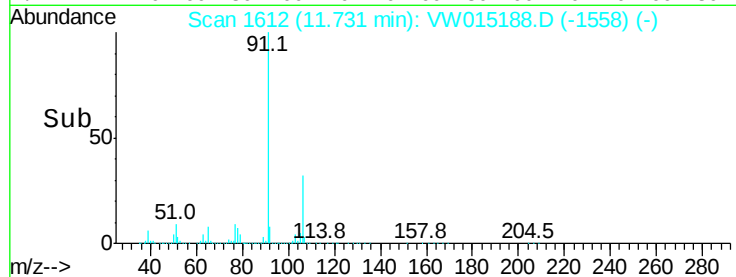
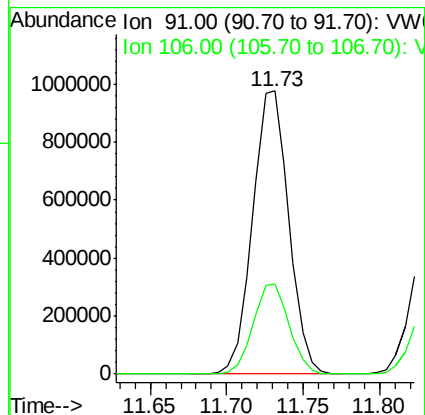
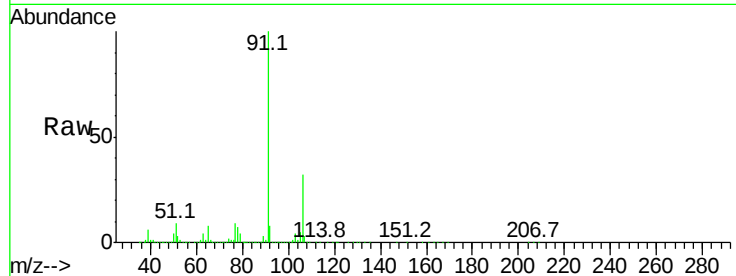
VSTD02501

Tgt Ion: 91 Resp: 1606854

Ion Ratio Lower Upper

91 100

106 32.0 22.5 41.7



#54

m,p-Xylene

Concen: 25.304 ug/L

RT: 11.84 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VW015188.D

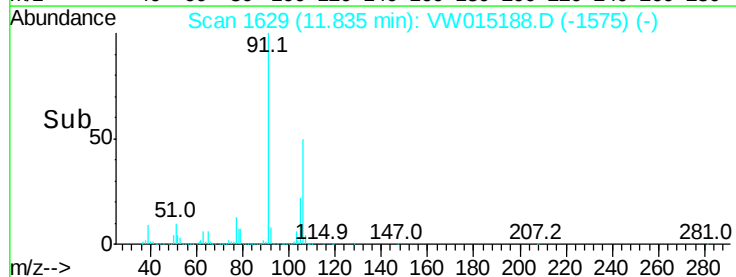
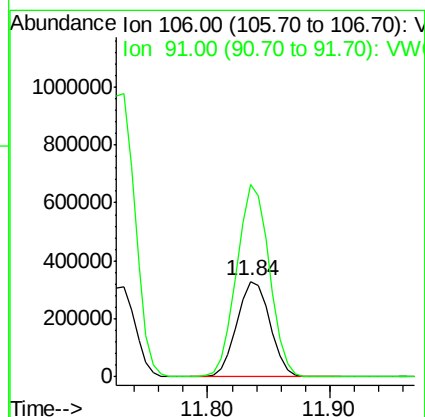
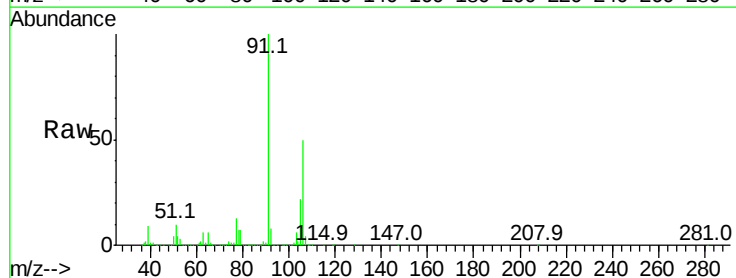
Acq: 14 Apr 2020 12:13

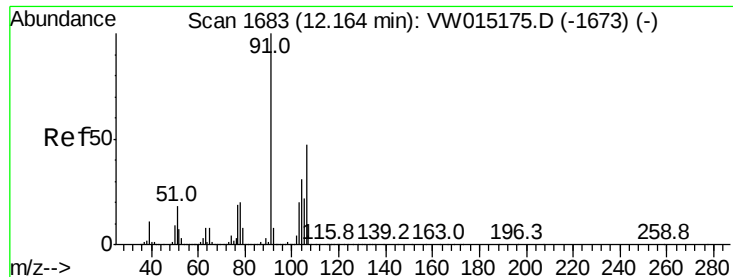
Tgt Ion: 106 Resp: 619352

Ion Ratio Lower Upper

106 100

91 201.4 142.7 264.9





#55

o-xylene

Concen: 25.340 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW015188.D

Acq: 14 Apr 2020 12:13

Instrument :

MSVOA_W

ClientSampled :

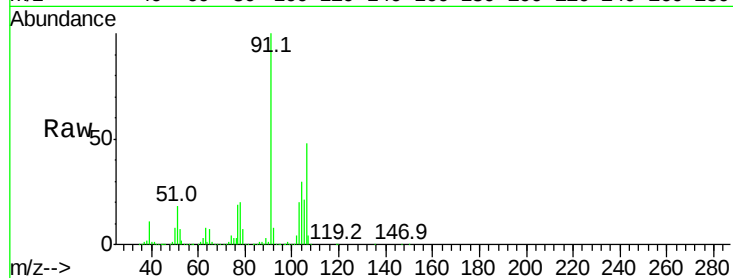
VSTD02501

Tgt Ion:106 Resp: 592794

Ion Ratio Lower Upper

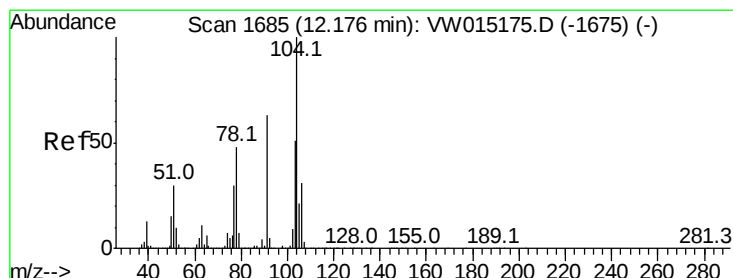
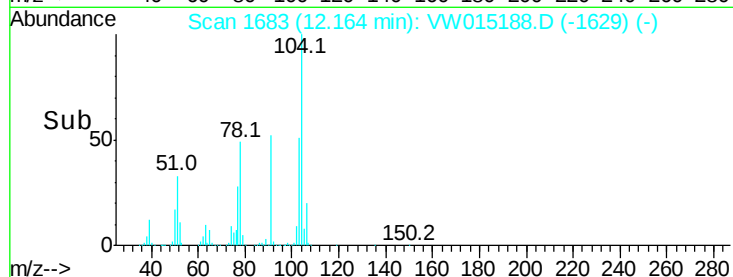
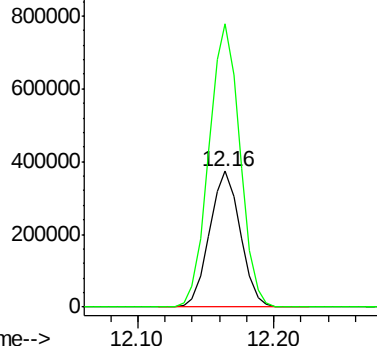
106 100

91 208.1 150.1 278.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 24.996 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VW015188.D

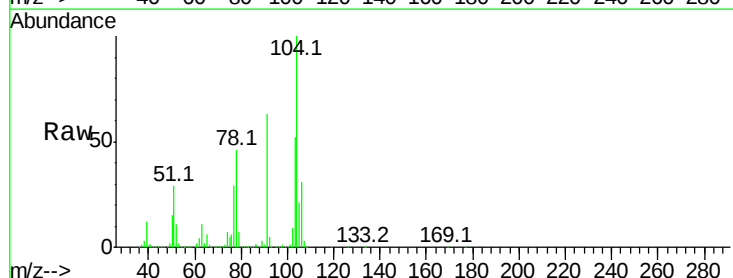
Acq: 14 Apr 2020 12:13

Tgt Ion:104 Resp: 983457

Ion Ratio Lower Upper

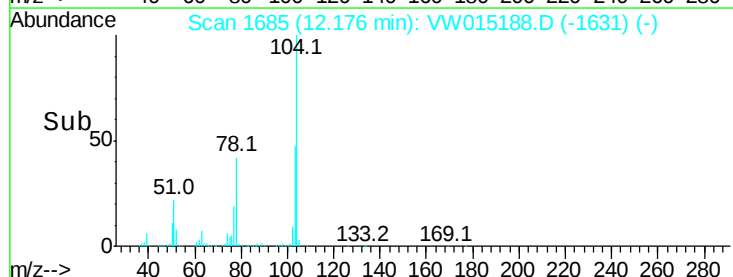
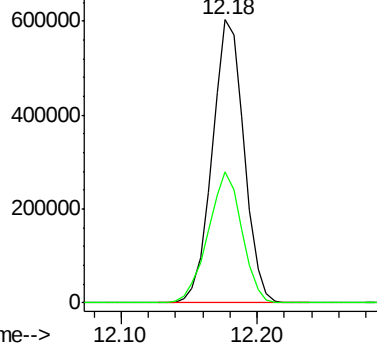
104 100

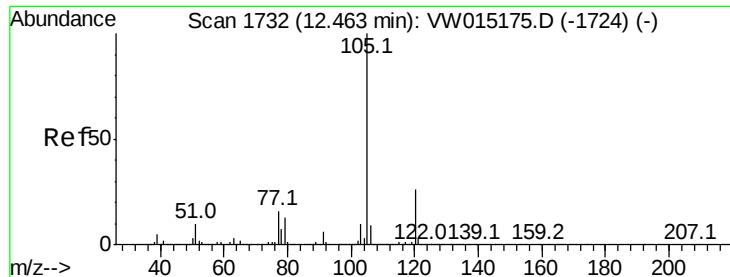
78 46.1 33.9 63.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 25.324 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015188.D

Acq: 14 Apr 2020 12:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD02501

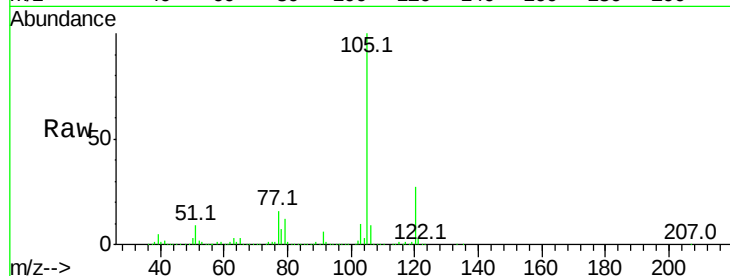
Tgt Ion:105 Resp: 1599382

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.2

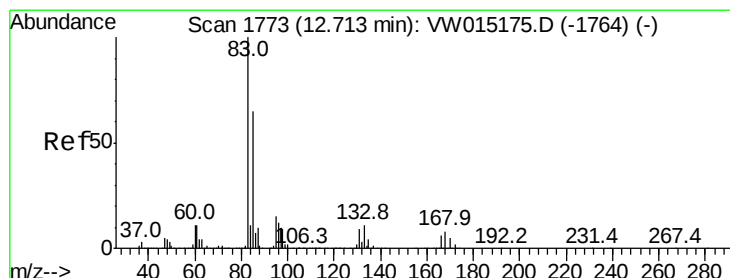
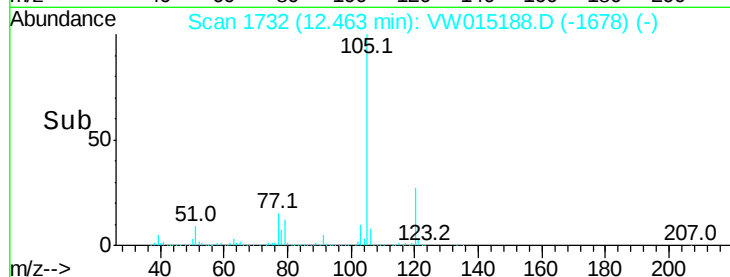
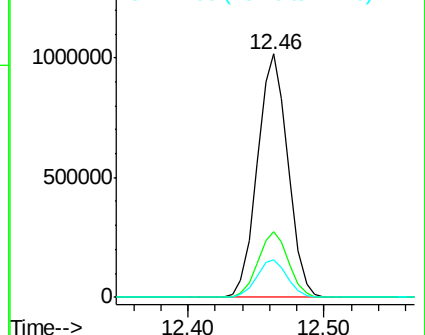
77 15.5 12.8 19.2



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: 23.530 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015188.D

Acq: 14 Apr 2020 12:13

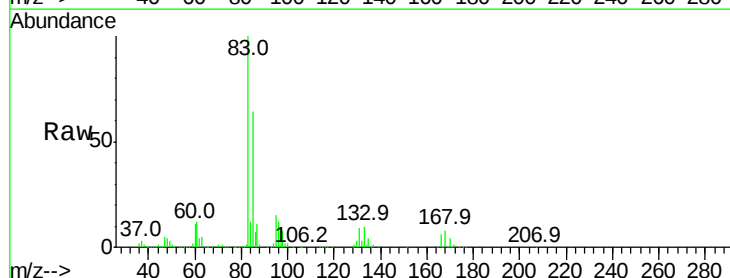
Tgt Ion: 83 Resp: 256629

Ion Ratio Lower Upper

83 100

85 63.9 45.8 85.0

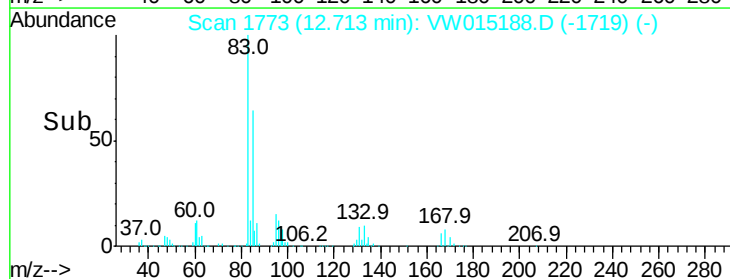
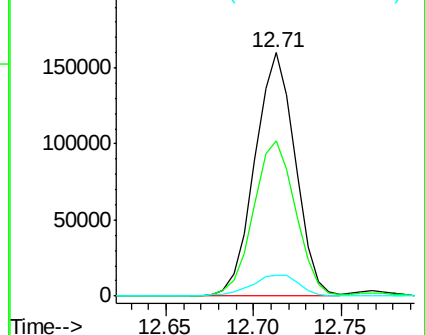
131 8.8 7.2 10.8

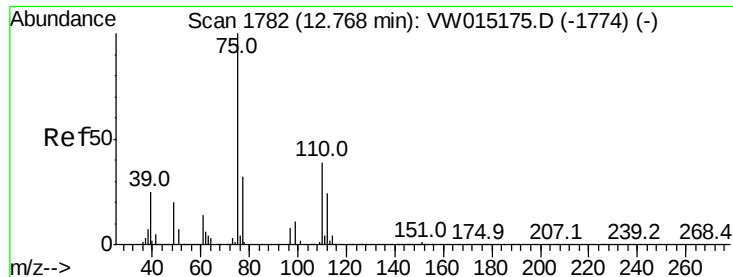


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 23.075 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW015188.D

Acq: 14 Apr 2020 12:13

Instrument :

MSVOA_W

ClientSampleId :

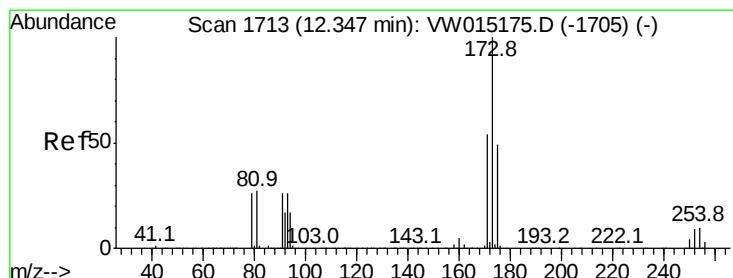
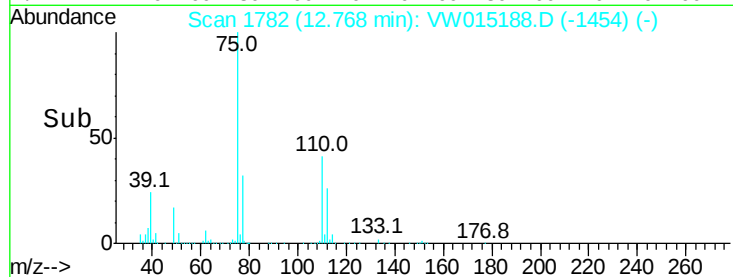
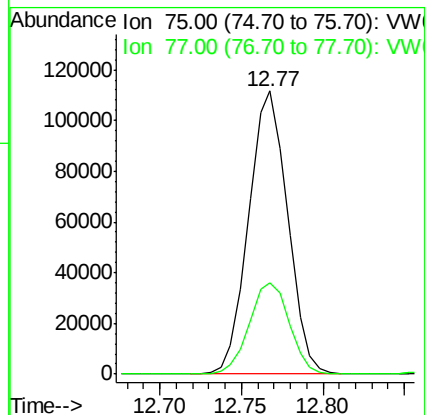
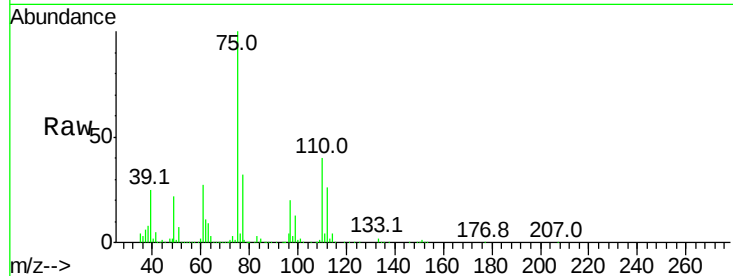
VSTD02501

Tgt Ion: 75 Resp: 185966

Ion Ratio Lower Upper

75 100

77 32.9 25.7 38.5



#62

Bromoform

Concen: 23.630 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW015188.D

Acq: 14 Apr 2020 12:13

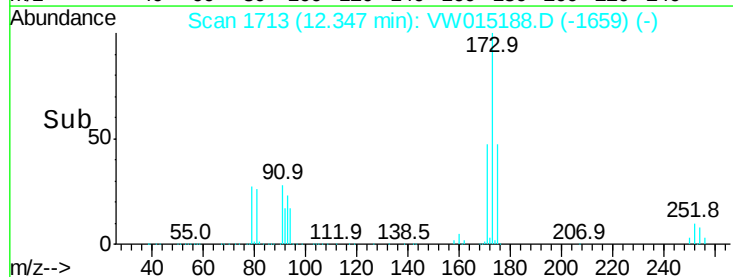
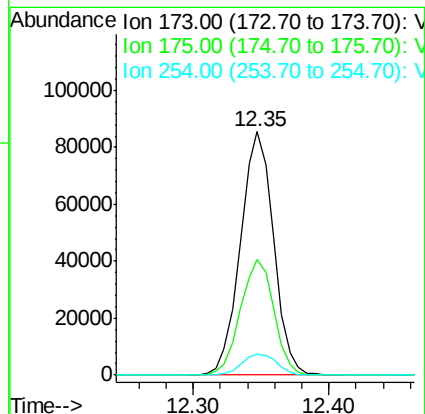
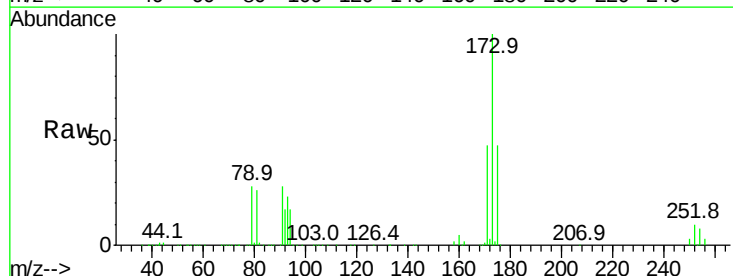
Tgt Ion: 173 Resp: 145113

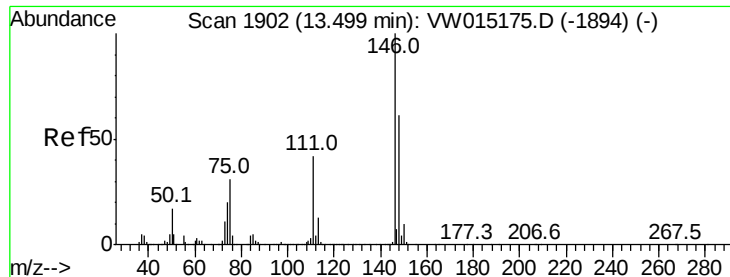
Ion Ratio Lower Upper

173 100

175 48.0 38.5 57.7

254 9.1 7.2 10.8





#63

1,3-Dichlorobenzene

Concen: 25.581 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW015188.D

Acq: 14 Apr 2020 12:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD02501

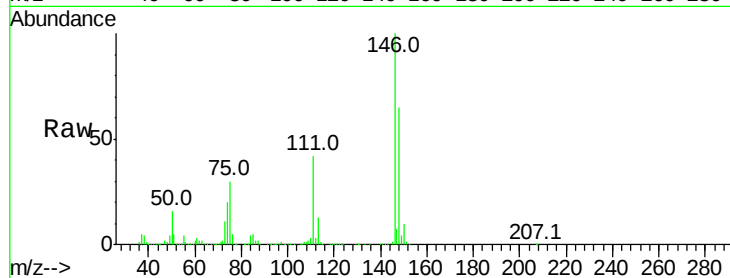
Tgt Ion:146 Resp: 648566

Ion Ratio Lower Upper

146 100

111 41.8 29.3 54.3

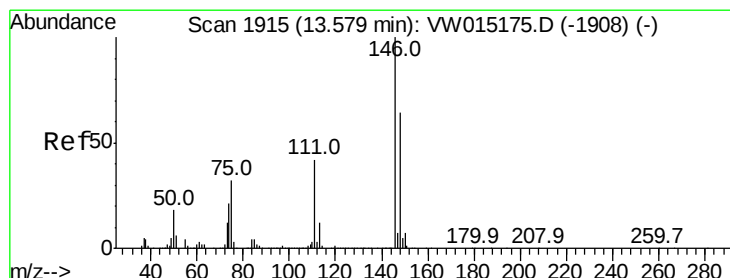
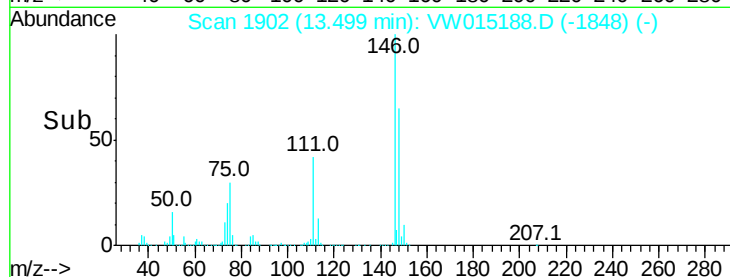
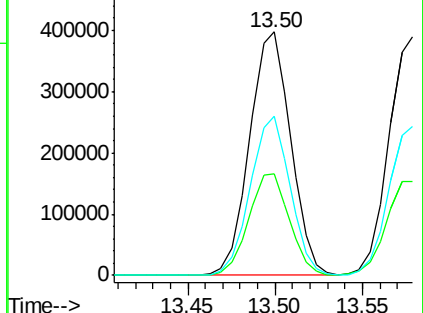
148 65.3 42.9 79.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 25.446 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW015188.D

Acq: 14 Apr 2020 12:13

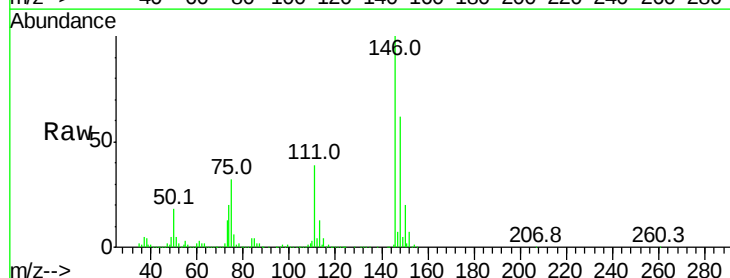
Tgt Ion:146 Resp: 626635

Ion Ratio Lower Upper

146 100

111 39.4 29.4 54.6

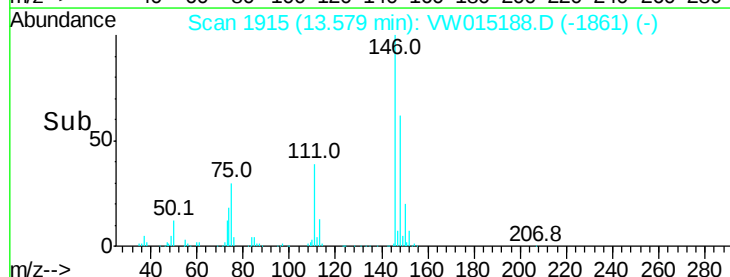
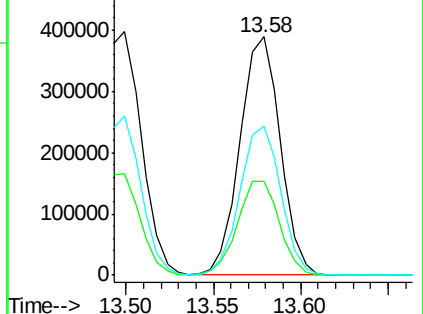
148 62.3 44.8 83.2

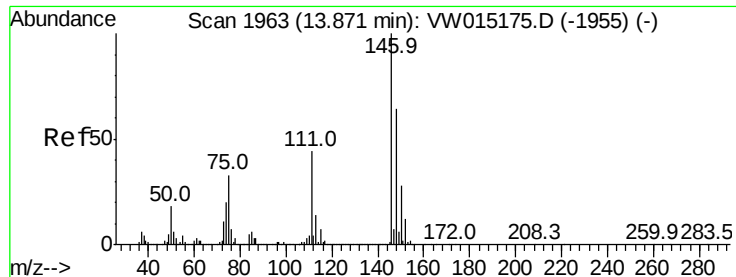


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

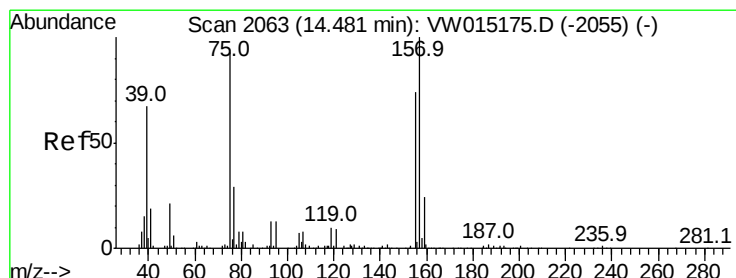
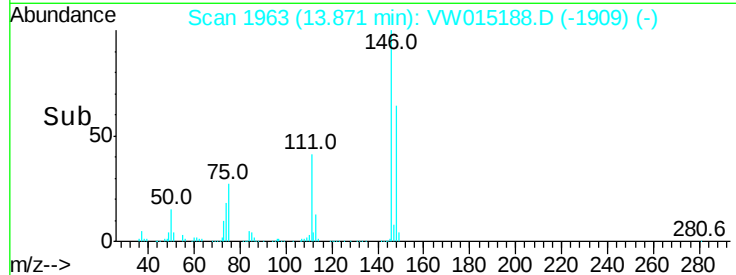
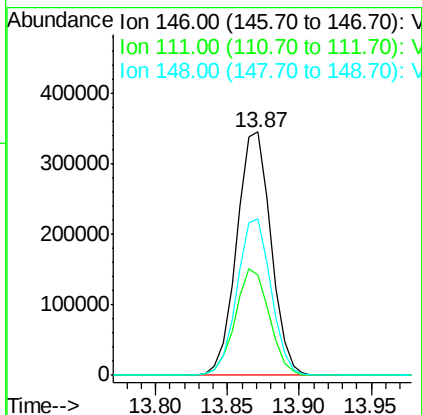
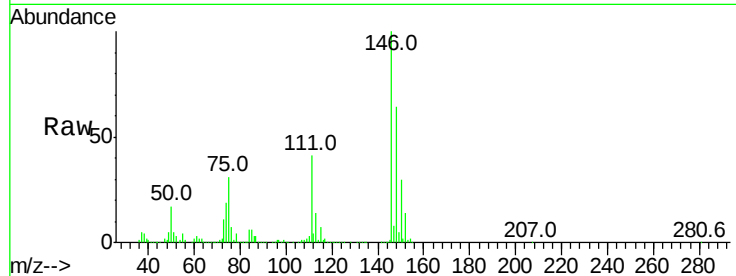




#65
 1,2-Dichlorobenzene
 Concen: 25.292 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW015188.D
 Acq: 14 Apr 2020 12:13

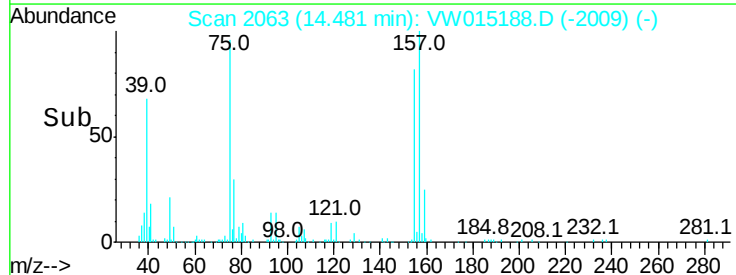
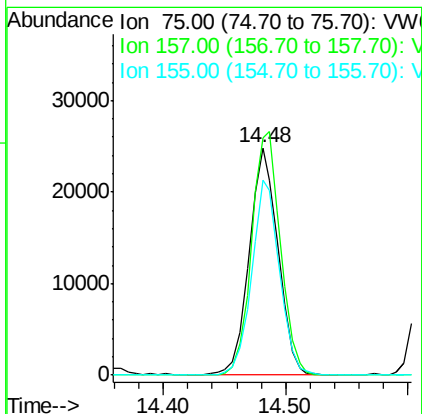
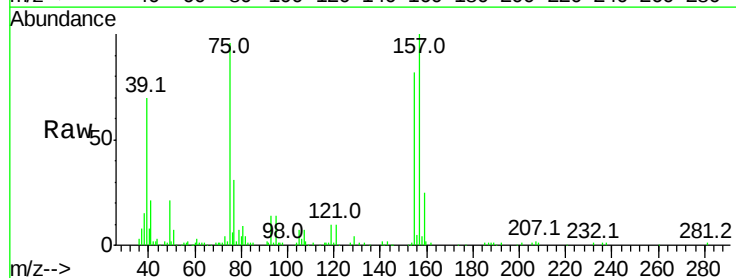
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02501

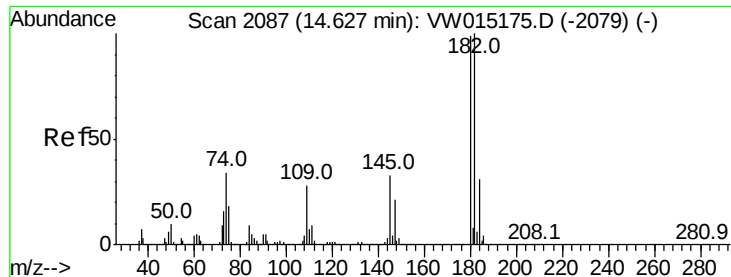
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	35.2	52.8
148	64.4	51.6	77.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 21.805 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW015188.D
 Acq: 14 Apr 2020 12:13

Tgt Ion	Ratio	Lower	Upper
75	100		
157	104.3	85.7	128.5
155	85.9	63.8	95.6

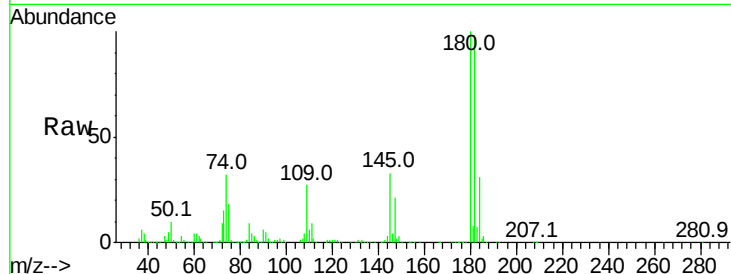




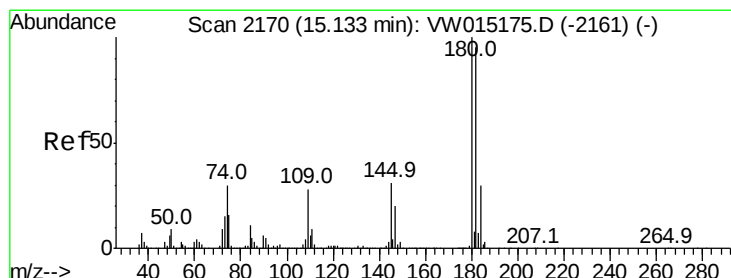
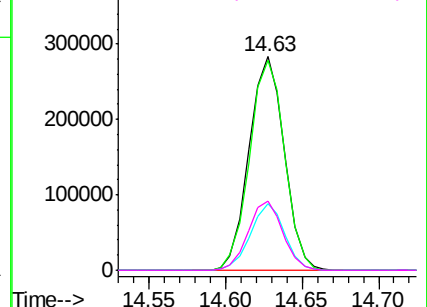
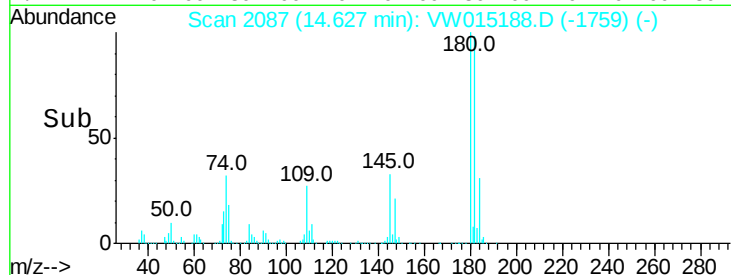
#67
 1,3,5-Trichlorobenzene
 Concen: 25.946 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW015188.D
 Acq: 14 Apr 2020 12:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02501

Tgt Ion:	180	Resp:	452918
Ion	Ratio	Lower	Upper
180	100		
182	97.5	77.1	115.7
184	30.1	24.5	36.7
145	31.9	25.4	38.2

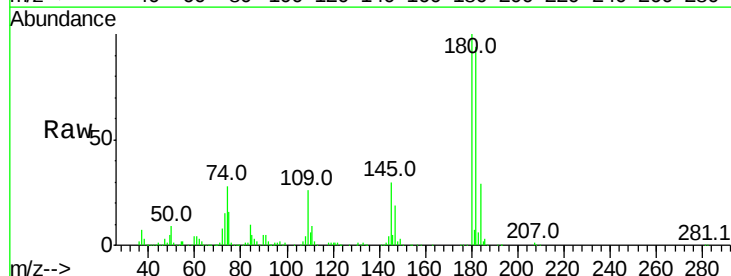


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

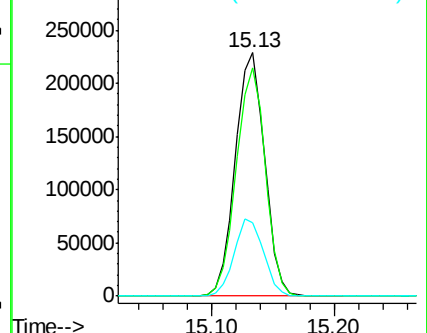
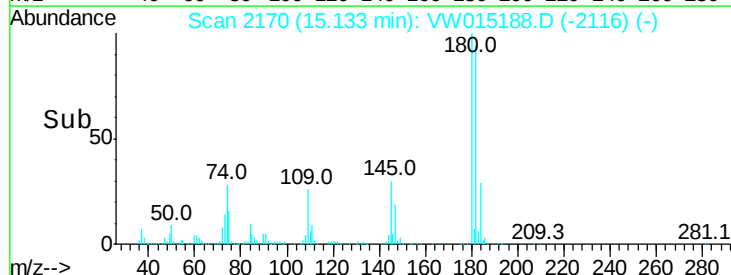


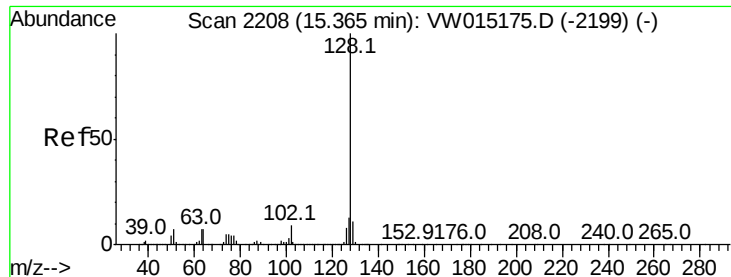
#68
 1,2,4-trichlorobenzene
 Concen: 27.119 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015188.D
 Acq: 14 Apr 2020 12:13

Tgt Ion:	180	Resp:	377814
Ion	Ratio	Lower	Upper
180	100		
182	93.2	77.7	116.5
145	31.8	25.9	38.9



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: 26.268 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW015188.D

Acq: 14 Apr 2020 12:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD02501

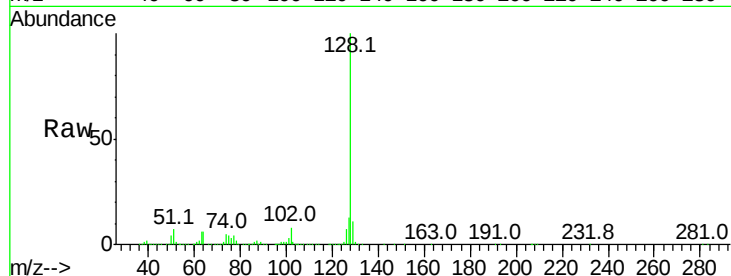
Tgt Ion:128 Resp: 733156

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

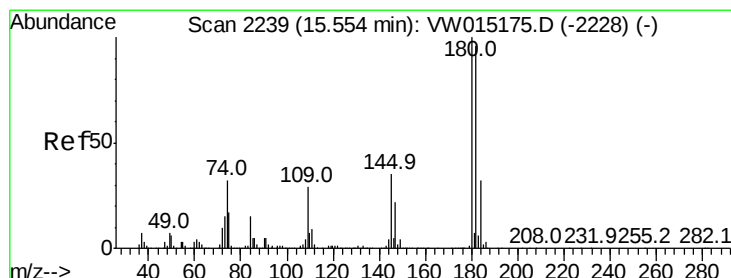
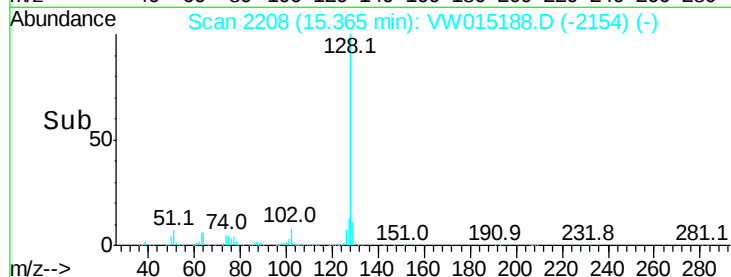
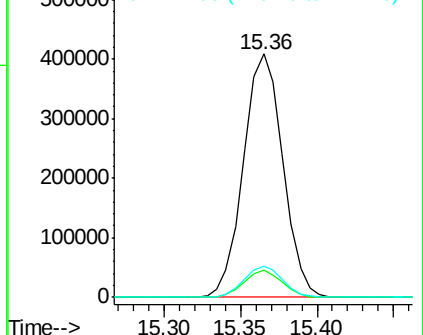
127 12.7 10.4 15.6



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: 26.233 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW015188.D

Acq: 14 Apr 2020 12:13

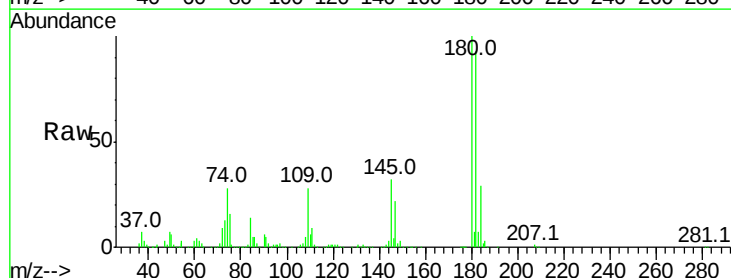
Tgt Ion:180 Resp: 318197

Ion Ratio Lower Upper

180 100

182 94.5 75.0 112.6

145 34.2 27.4 41.2



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

