

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041020\
 Data File : VW015176.D
 Acq On : 10 Apr 2020 12:16
 Operator : SY/VA
 Sample : VSTD05001
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05001

Quant Time: Apr 10 12:53:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041020S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 10 12:17:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1261133	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1119867	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	505174	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	575021	28.12	ug/L	0.00
7) Chloroethane-d5	2.89	69	421305	25.30	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	1549658	36.68	ug/L	0.00
20) 2-Butanone-d5	7.07	46	394893	79.95	ug/L	0.00
24) Chloroform-d	7.65	84	1457399	39.10	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	736432	34.78	ug/L	0.00
29) Benzene-d6	8.27	84	3060109	42.49	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	935054	39.56	ug/L	0.00
37) Toluene-d8	10.32	98	2884408	46.41	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	437538	46.80	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	340544	93.63	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	704171	42.81	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	912927	49.85	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	476026	49.987	ug/L 98
3) Chloromethane	2.21	50	562247	33.261	ug/L 100
5) Vinyl chloride	2.37	62	756353	32.456	ug/L 100
6) Bromomethane	2.78	94	383901	30.012	ug/L 99
8) Chloroethane	2.92	64	378224	27.411	ug/L 98
9) Trichlorofluoromethane	3.26	101	633383	46.300	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	866170	45.253	ug/L 99
12) 1,1-Dichloroethene	4.04	96	876385	47.828	ug/L 96
13) Acetone	4.12	43	230747	56.626	ug/L 97
14) Carbon disulfide	4.39	76	2861377	42.954	ug/L 99
15) Methyl Acetate	4.67	43	339446	34.832	ug/L 99
16) Methylene chloride	4.92	84	848606	40.888	ug/L 99
17) Methyl tert-butyl Ether	5.42	73	1141949	47.807	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	895970	47.175	ug/L 99
19) 1,1-Dichloroethane	6.21	63	1535484	39.213	ug/L 99
21) 2-Butanone	7.17	43	441253	74.683	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	933577	49.138	ug/L 98
23) Bromochloromethane	7.51	128	386227	49.305	ug/L 99
25) Chloroform	7.67	83	1476933	41.175	ug/L 98
27) 1,2-Dichloroethane	8.40	62	913555	36.394	ug/L 99
30) Cyclohexane	7.95	56	1571750	45.209	ug/L 99
31) 1,1,1-Trichloroethane	7.87	97	1281243	44.996	ug/L 99
32) Carbon tetrachloride	8.07	117	1177736	47.276	ug/L 98
34) Benzene	8.32	78	3510585	44.062	ug/L 100
35) Trichloroethene	9.09	95	922666	46.882	ug/L 100
36) Methylcyclohexane	9.34	83	1673212	49.287	ug/L 99
40) 1,2-Dichloropropane	9.37	63	867348	40.072	ug/L 100
41) Bromodichloromethane	9.64	83	1104455	44.039	ug/L 99
42) cis-1,3-Dichloropropene	10.07	75	1413405	48.238	ug/L 98
43) 4-Methyl-2-pentanone	10.21	43	1026084	83.691	ug/L 99

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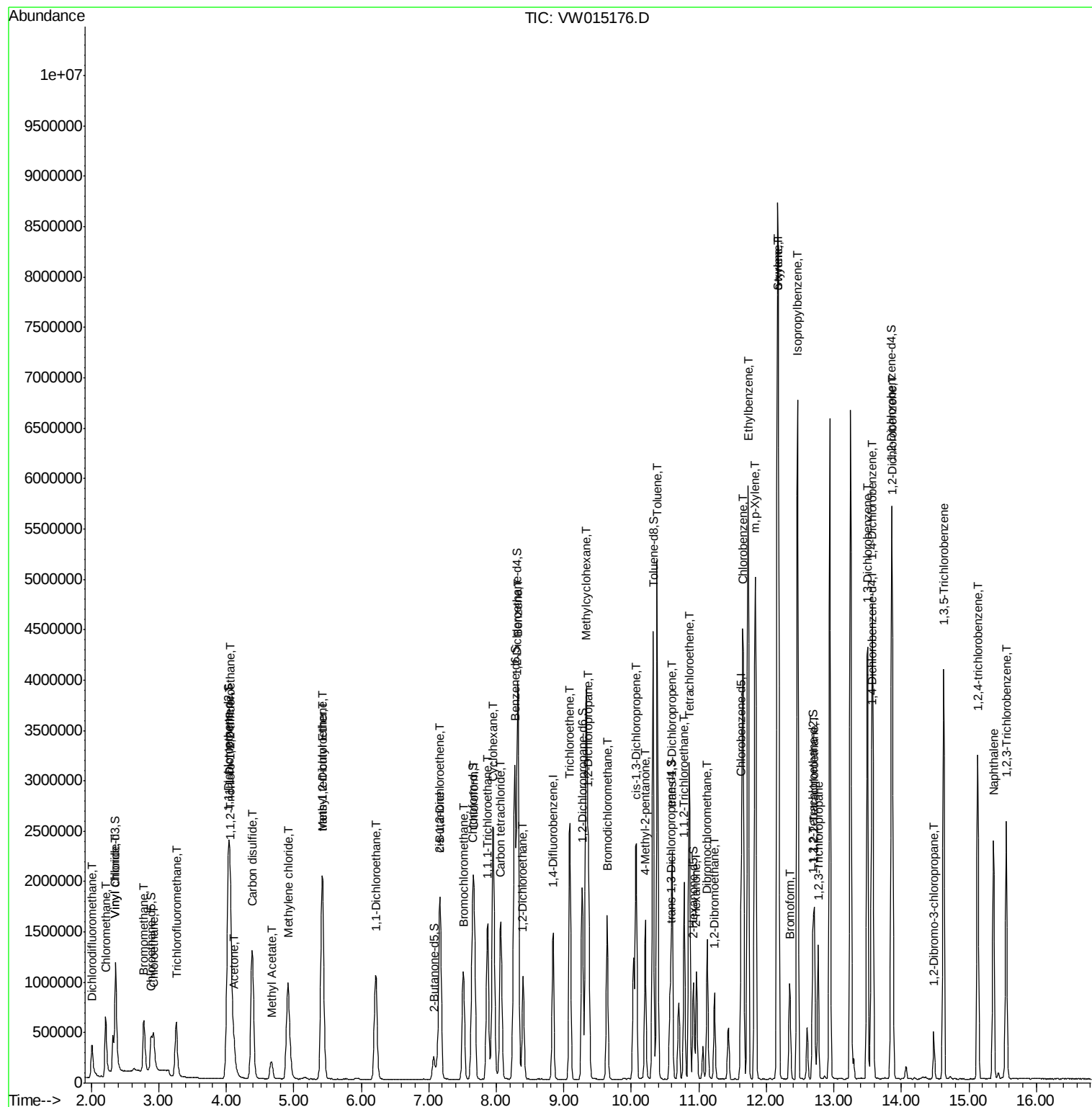
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.38	91	3753214	47.287	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	1211382	47.437	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	610485	46.546	ug/L	98
47) Tetrachloroethene	10.86	164	660147	50.759	ug/L	98
49) 2-Hexanone	10.96	43	693673	85.493	ug/L	100
50) Dibromochloromethane	11.13	129	725552	52.479	ug/L	99
51) 1,2-Dibromoethane	11.23	107	580542	49.311	ug/L	98
52) Chlorobenzene	11.66	112	2294473	48.446	ug/L	99
53) Ethylbenzene	11.73	91	4234058	49.095	ug/L	100
54) m,p-Xylene	11.83	106	1635051	53.261	ug/L	99
55) o-xylene	12.16	106	1558734	53.907	ug/L	99
56) Styrene	12.18	104	2657851	54.321	ug/L	98
57) Isopropylbenzene	12.46	105	4242163	53.505	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	730800	45.091	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	538723	44.432	ug/L	98
62) Bromoform	12.35	173	415131	55.519	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	1741307	52.611	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	1667233	49.746	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	1523726	50.875	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	125345	44.656	ug/L	91
67) 1,3,5-Trichlorobenzene	14.63	180	1185703	54.378	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	986619	59.137	ug/L	97
69) Naphthalene	15.36	128	2012391	61.824	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	833393	54.573	ug/L	98

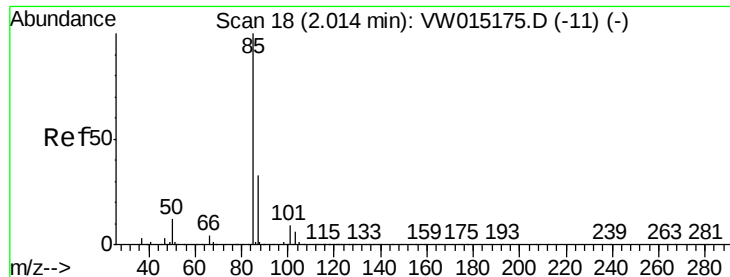
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 49.987 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW015176.D

Acq: 10 Apr 2020 12:16

Instrument :

MSVOA_W

ClientSampleId :

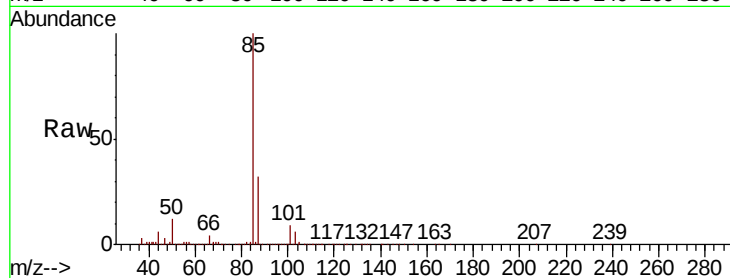
VSTD05001

Tot Ion: 85 Resp: 476026

Ion Ratio Lower Upper

85 100

87 33.1 22.5 41.9



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW

2.01

200000

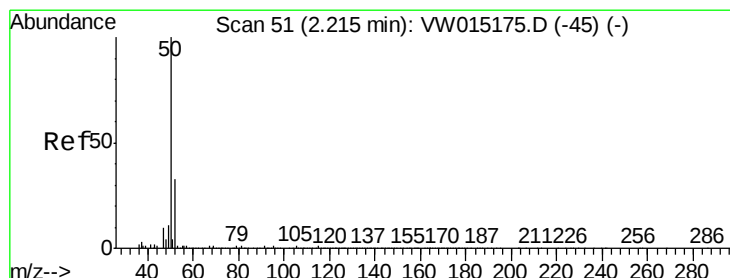
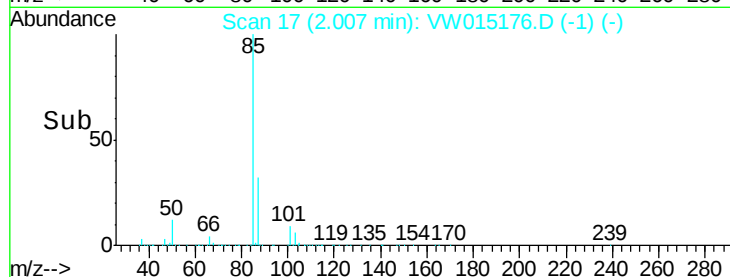
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 33.261 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015176.D

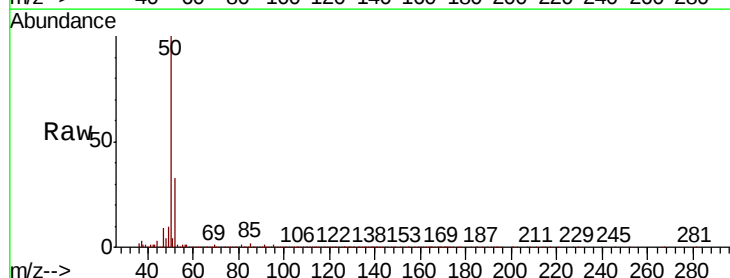
Acq: 10 Apr 2020 12:16

Tgt Ion: 50 Resp: 562247

Ion Ratio Lower Upper

50 100

52 33.0 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW

2.21

400000

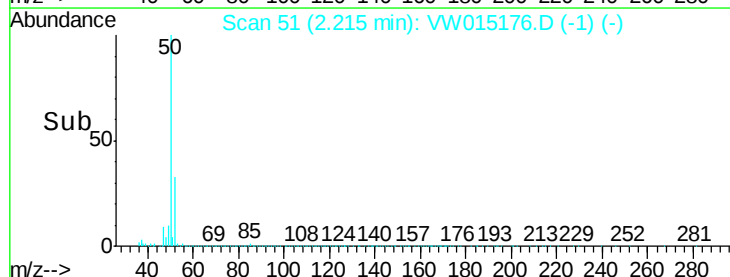
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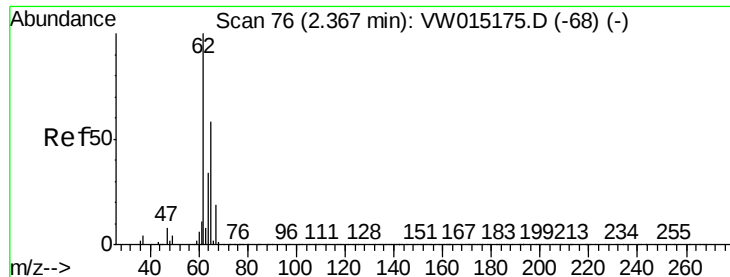
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 32.456 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW015176.D

Acq: 10 Apr 2020 12:16

Instrument :

MSVOA_W

ClientSampleId :

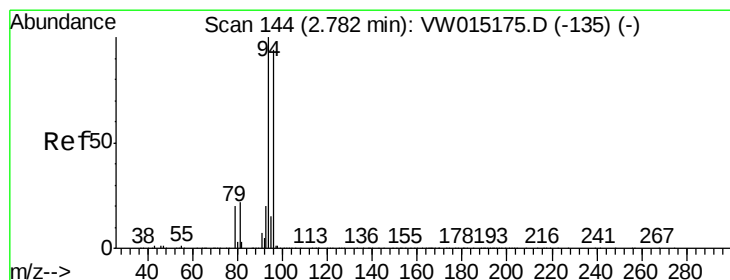
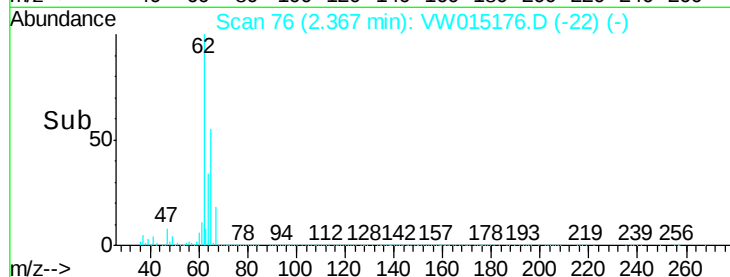
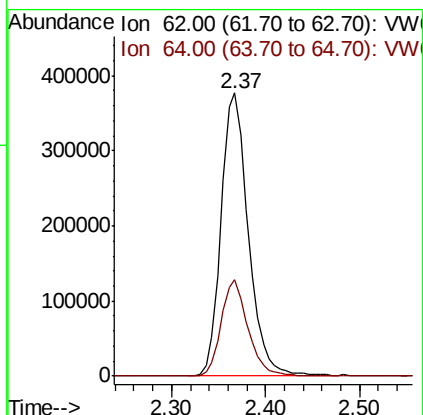
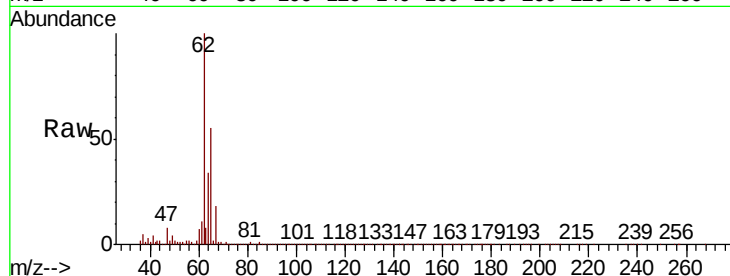
VSTD05001

Tot Ion: 62 Resp: 756353

Ion Ratio Lower Upper

62 100

64 34.2 23.8 44.2



#6

Bromomethane

Concen: 30.012 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW015176.D

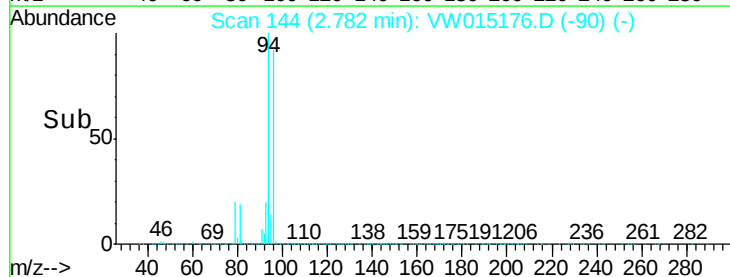
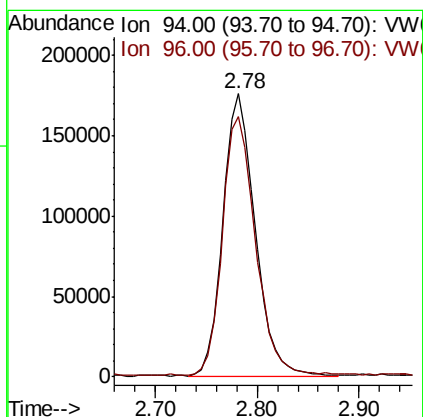
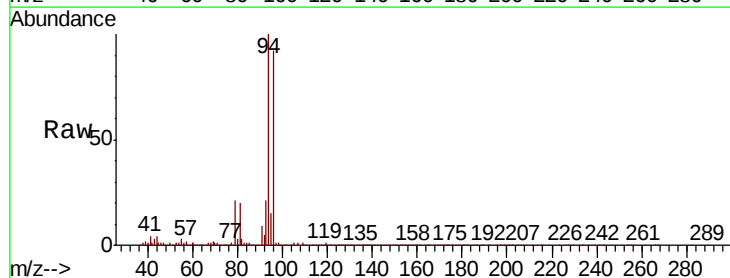
Acq: 10 Apr 2020 12:16

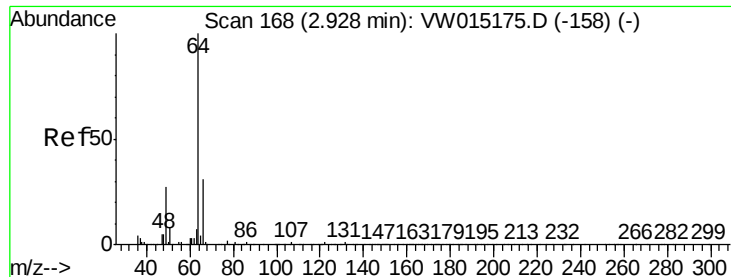
Tgt Ion: 94 Resp: 383901

Ion Ratio Lower Upper

94 100

96 94.5 9.5 181.3





#8

Chloroethane

Concen: 27.411 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW015176.D

Acq: 10 Apr 2020 12:16

Instrument :

MSVOA_W

ClientSampleId :

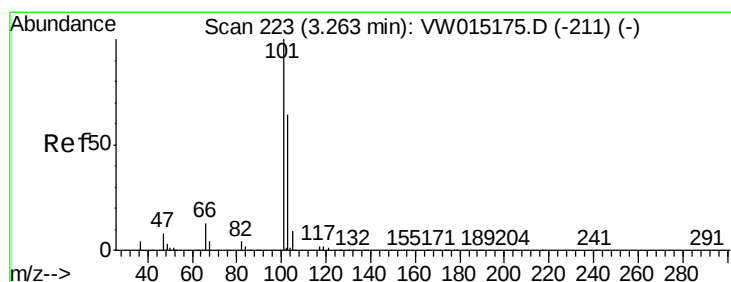
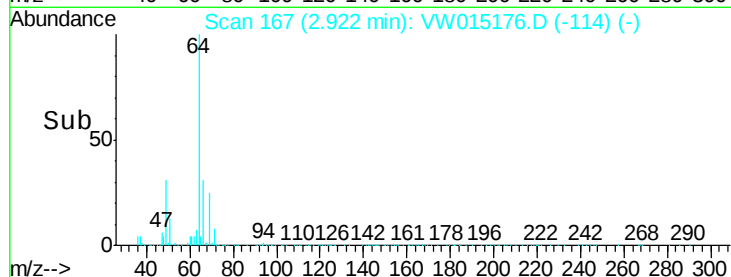
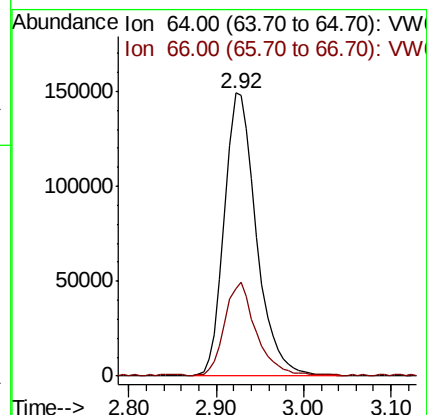
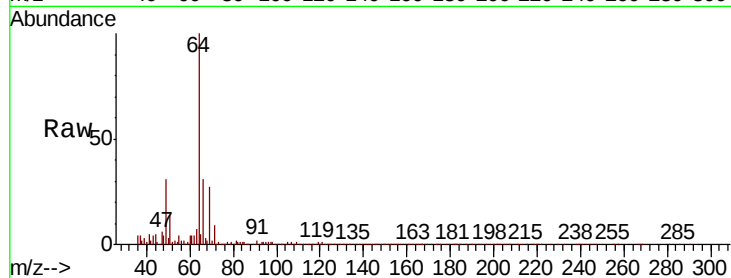
VSTD05001

Tot Ion: 64 Resp: 378224

Ion Ratio Lower Upper

64 100

66 31.0 22.5 41.7



#9

Trichlorofluoromethane

Concen: 46.300 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

Lab File: VW015176.D

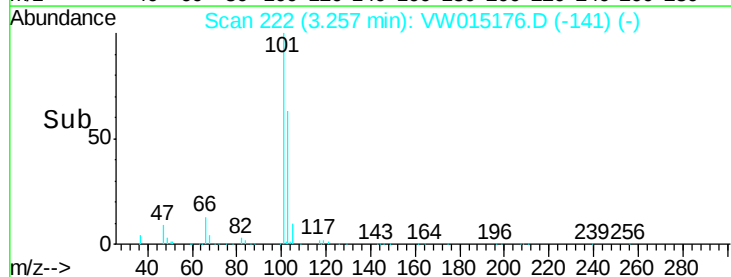
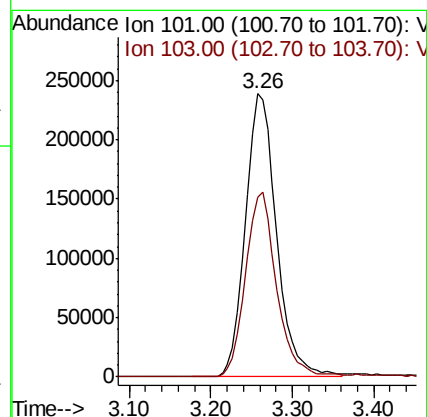
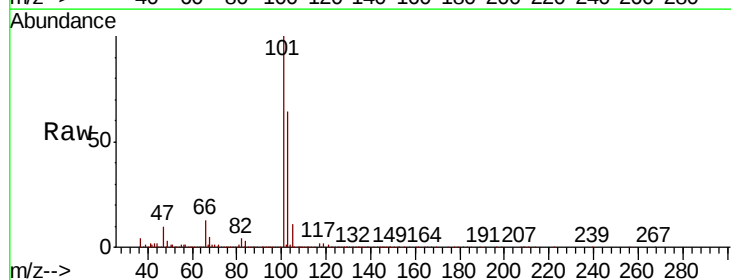
Acq: 10 Apr 2020 12:16

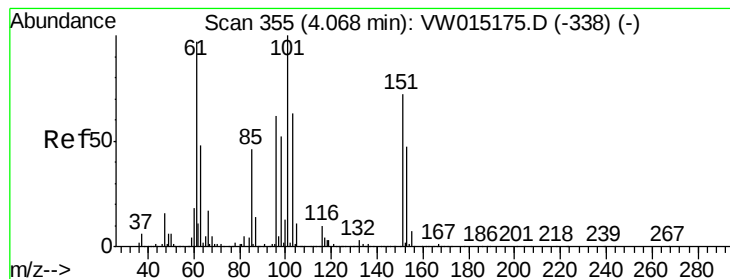
Tgt Ion: 101 Resp: 633383

Ion Ratio Lower Upper

101 100

103 64.8 44.9 83.5





#11

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

Concen: 45.253 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW015176.D

Acq: 10 Apr 2020 12:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD05001

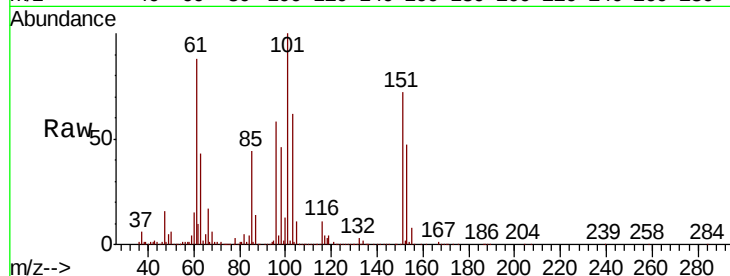
Tot Ion:101 Resp: 866170

Ion Ratio Lower Upper

101 100

85 42.8 34.0 51.0

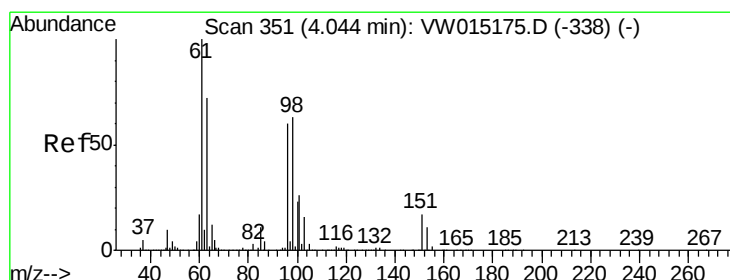
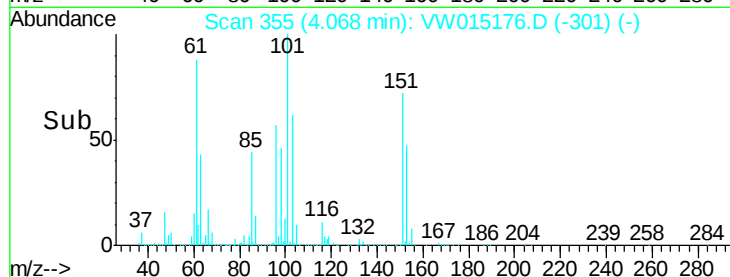
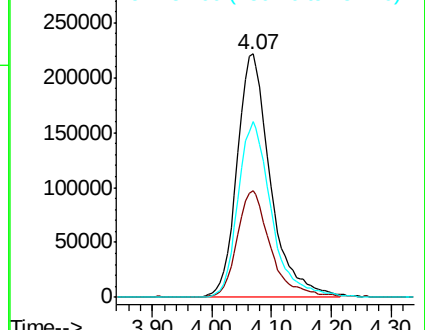
151 72.0 56.6 85.0



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: 47.828 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW015176.D

Acq: 10 Apr 2020 12:16

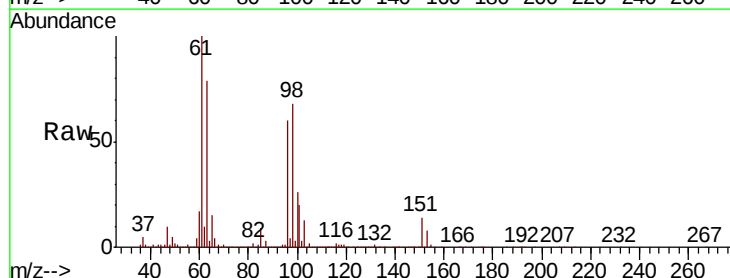
Tgt Ion: 96 Resp: 876385

Ion Ratio Lower Upper

96 100

61 165.7 116.4 216.2

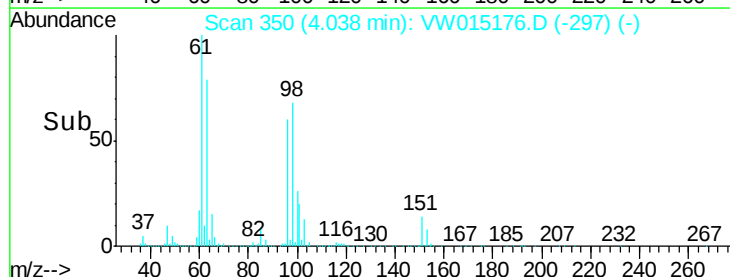
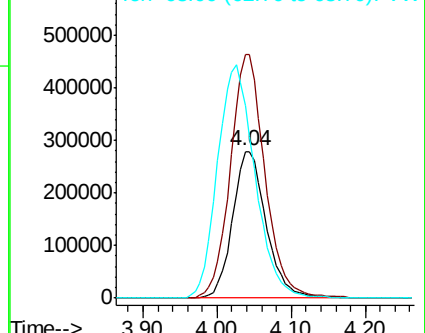
63 131.3 84.0 156.0

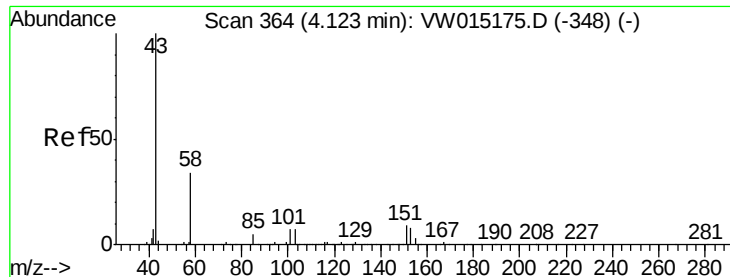


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 56.626 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

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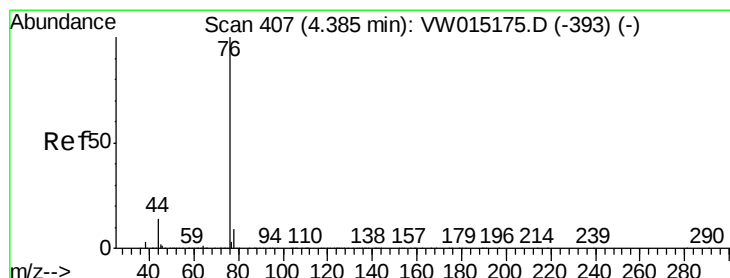
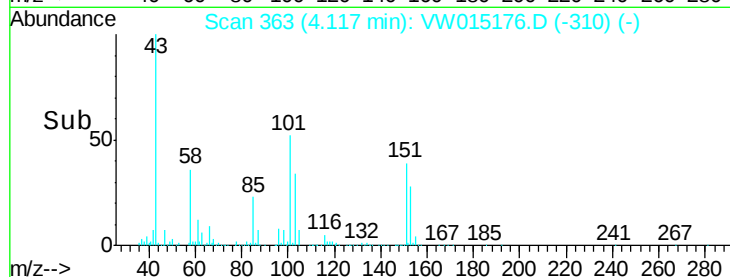
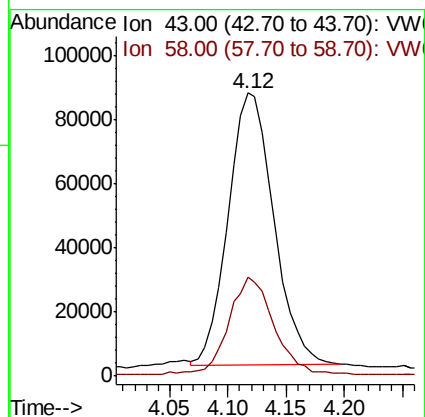
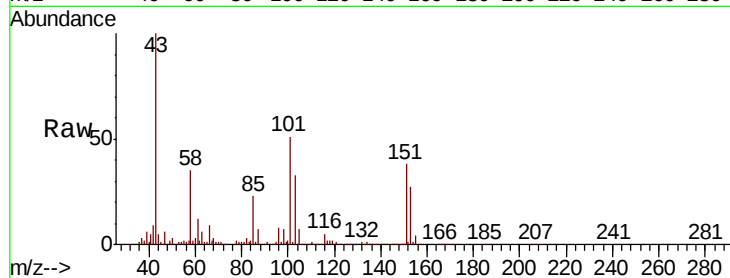
VSTD05001

Tot Ion: 43 Resp: 230747

Ion Ratio Lower Upper

43 100

58 33.7 0.0 64.6



#14

Carbon disulfide

Concen: 42.954 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW015176.D

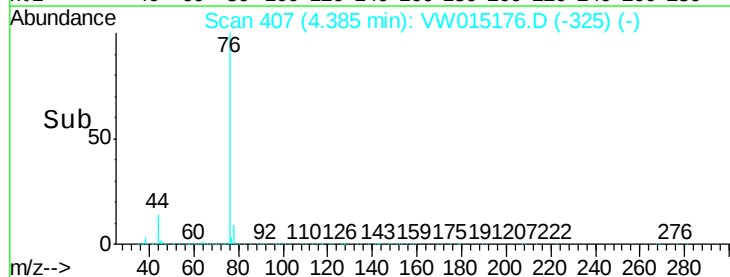
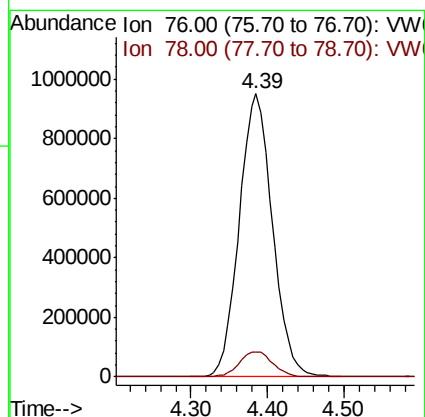
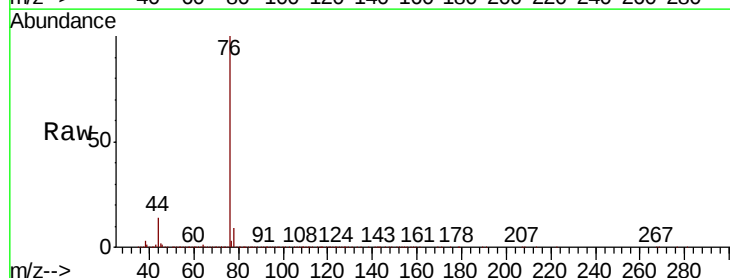
Acq: 10 Apr 2020 12:16

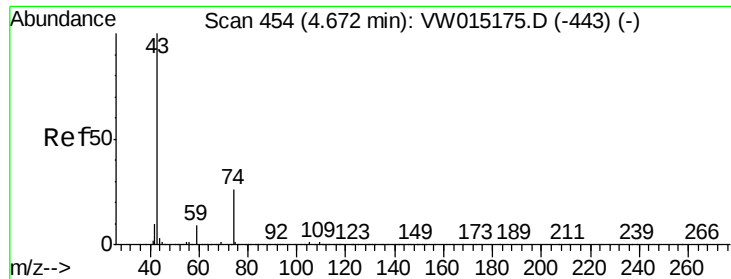
Tgt Ion: 76 Resp: 2861377

Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9

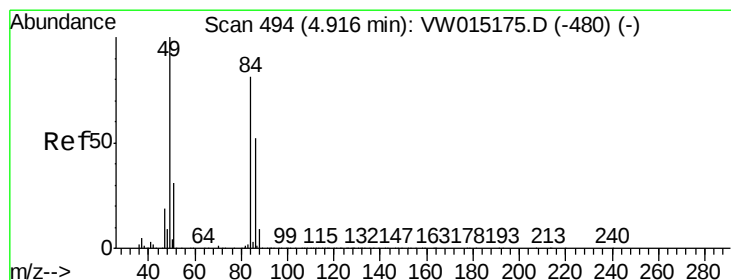
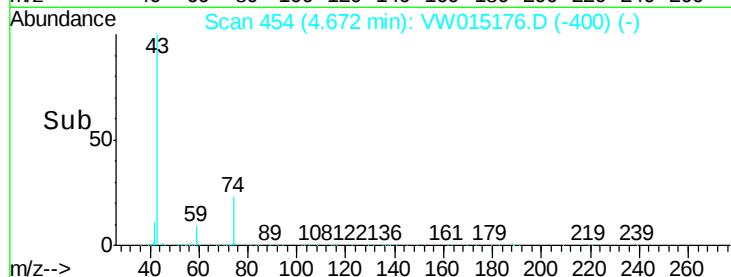
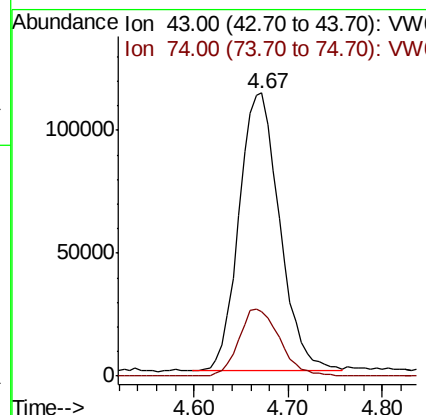
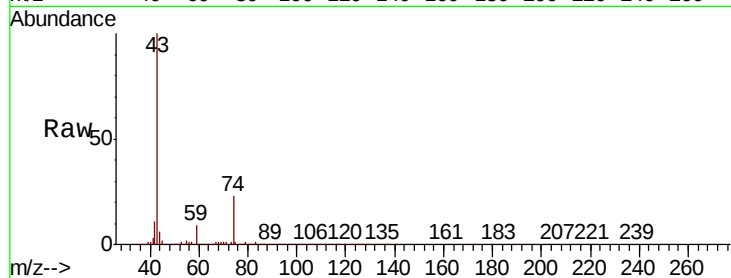




#15
Methyl Acetate
Concen: 34.832 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW015176.D
Acq: 10 Apr 2020 12:16

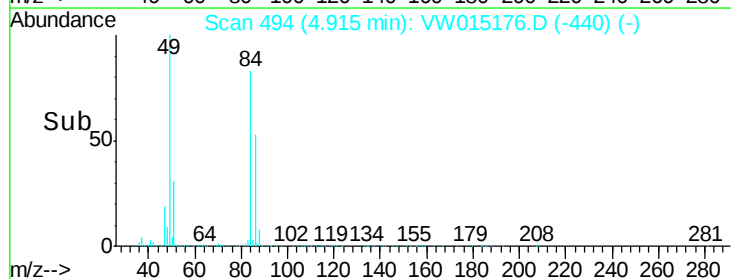
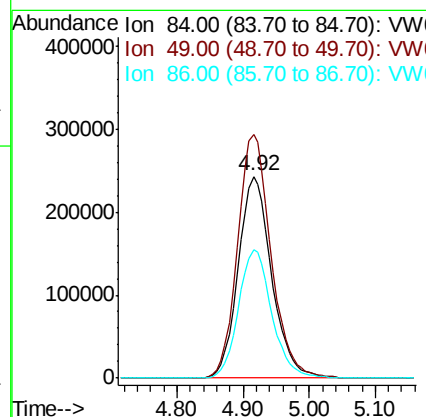
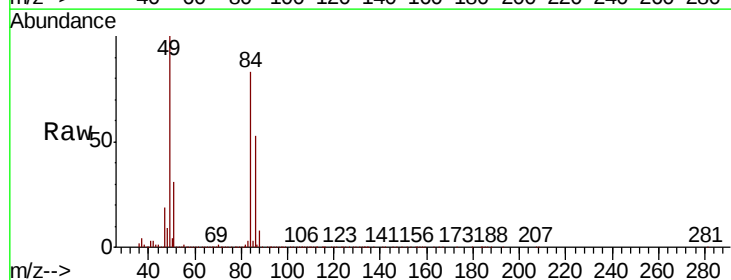
Instrument :
MSVOA_W
ClientSampleId :
VSTD05001

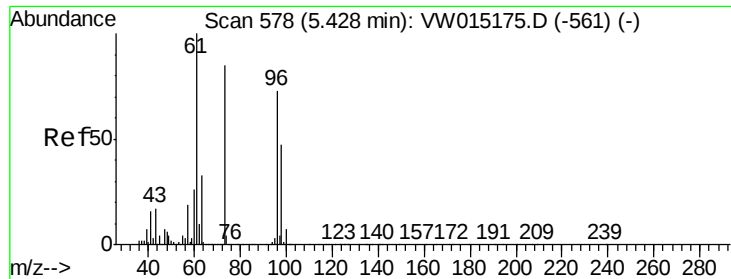
Tot Ion: 43 Resp: 339446
Ion Ratio Lower Upper
43 100
74 24.0 19.4 29.2



#16
Methylene chloride
Concen: 40.888 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW015176.D
Acq: 10 Apr 2020 12:16

Tgt Ion: 84 Resp: 848606
Ion Ratio Lower Upper
84 100
49 120.7 85.8 159.4
86 63.8 44.7 82.9



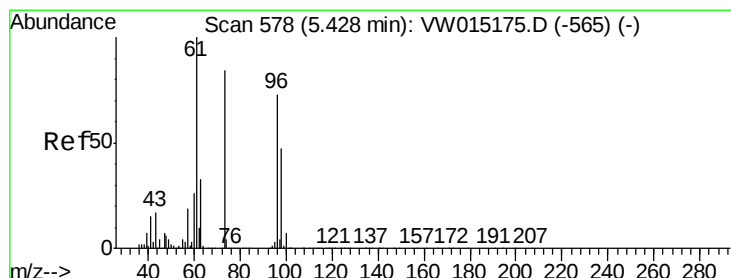
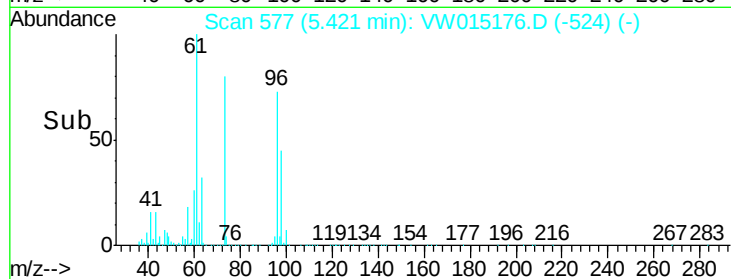
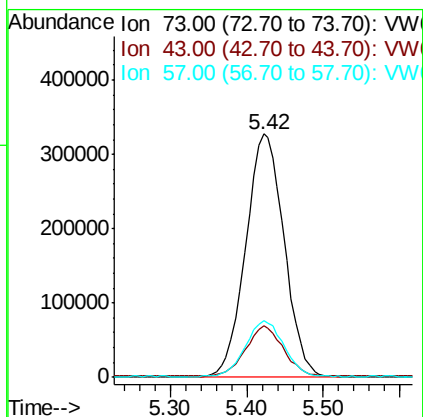
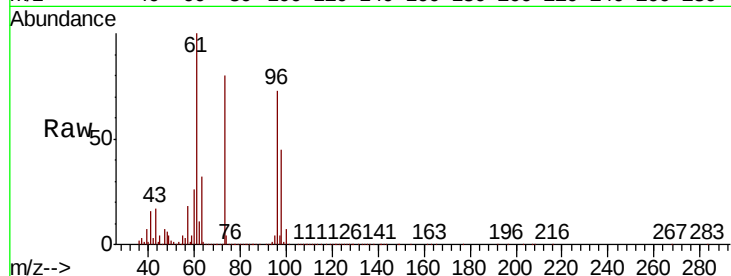


#17
Methvl tert-butvl Ether
Concen: 47.807 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW015176.D
Acq: 10 Apr 2020 12:16

Instrument :
MSVOA_W
ClientSampleId :
VSTD05001

Tot Ion: 73 Resp: 1141949

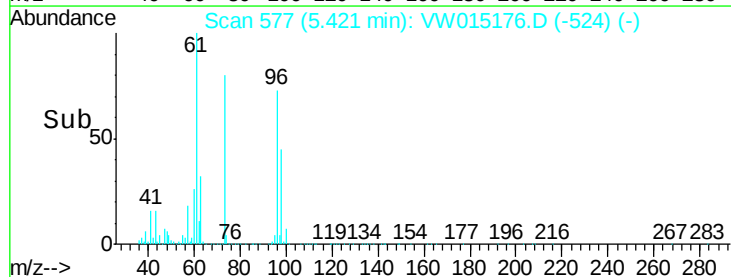
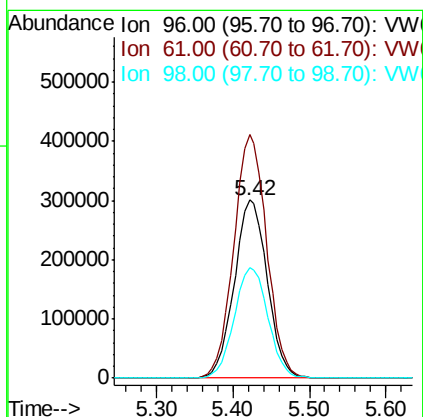
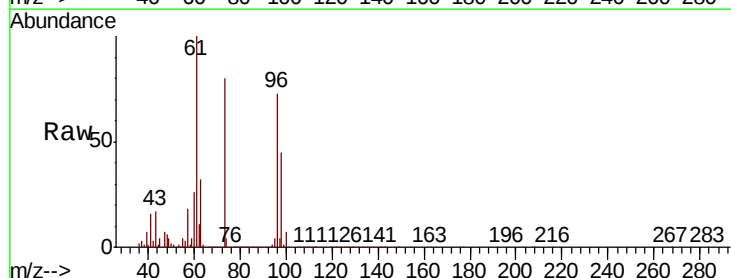
Ion	Ratio	Lower	Upper
73	100		
43	20.0	15.8	23.8
57	22.9	17.6	26.4

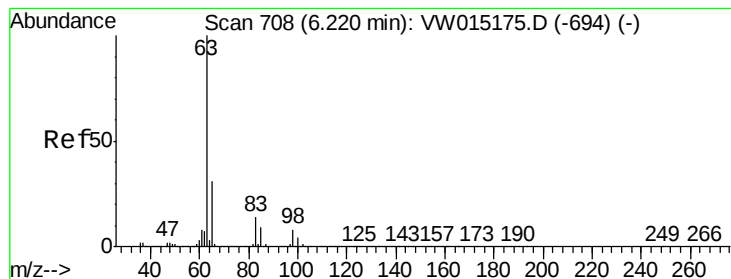


#18
trans-1,2-Dichloroethene
Concen: 47.175 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW015176.D
Acq: 10 Apr 2020 12:16

Tgt Ion: 96 Resp: 895970

Ion	Ratio	Lower	Upper
96	100		
61	136.9	95.5	177.3
98	62.1	45.1	83.9





#19

1,1-Dichloroethane

Concen: 39.213 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW015176.D

Acq: 10 Apr 2020 12:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD05001

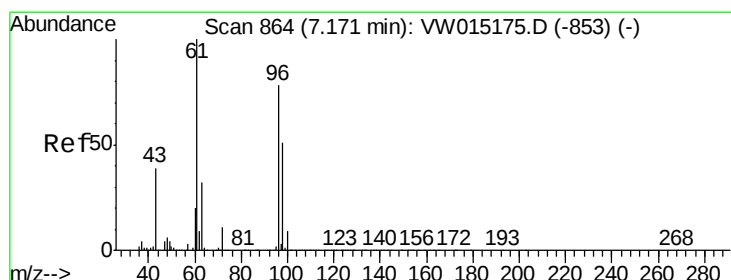
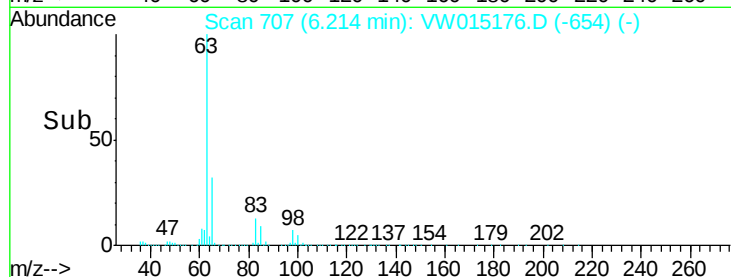
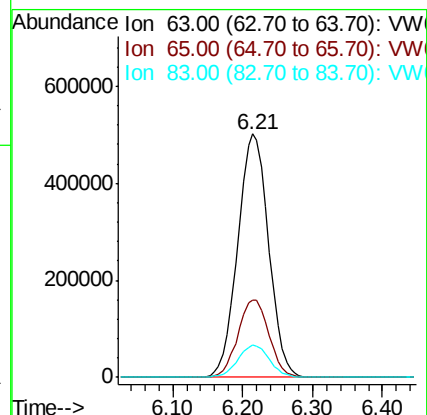
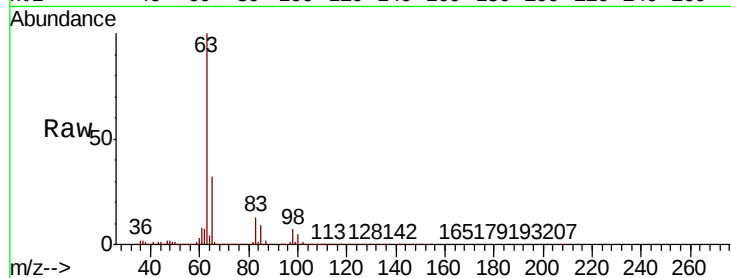
Tot Ion: 63 Resp: 1535484

Ion Ratio Lower Upper

63 100

65 31.9 22.0 40.8

83 13.4 9.7 17.9



#21

2-Butanone

Concen: 74.683 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW015176.D

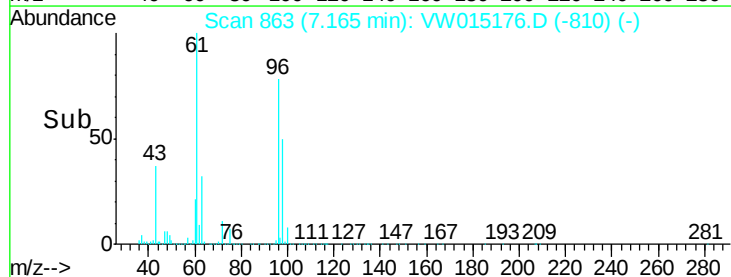
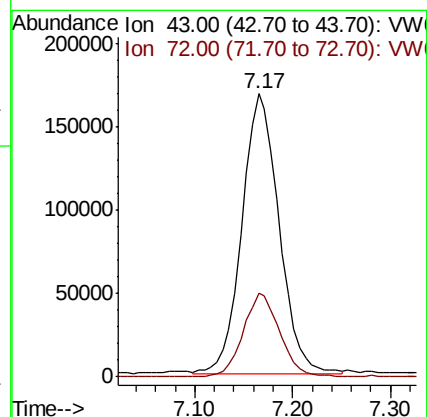
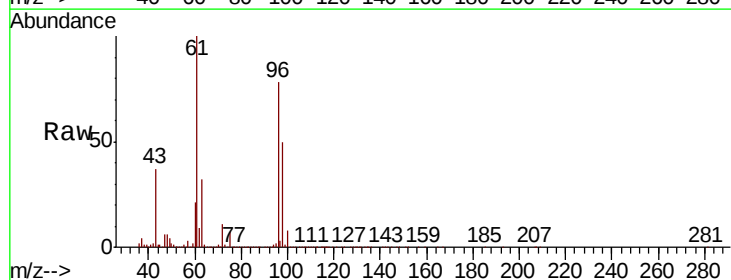
Acq: 10 Apr 2020 12:16

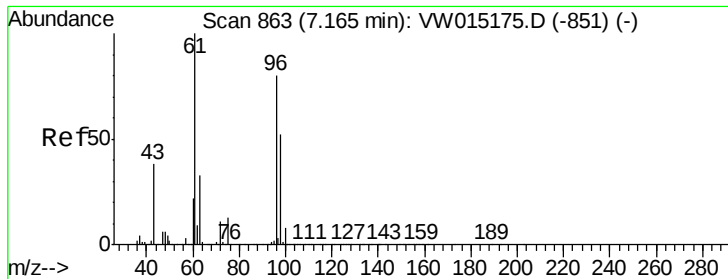
Tgt Ion: 43 Resp: 441253

Ion Ratio Lower Upper

43 100

72 29.2 14.4 43.0



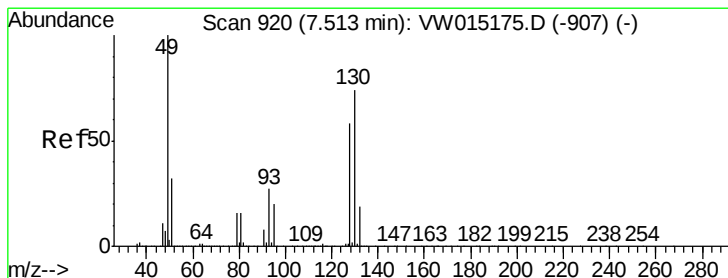
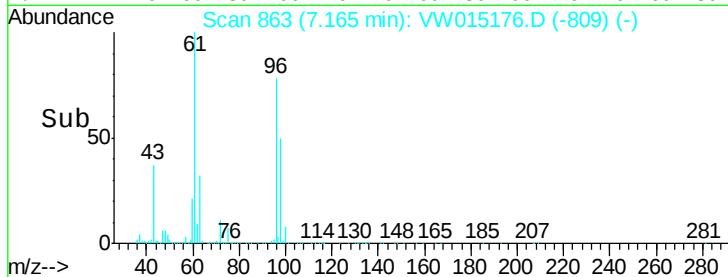
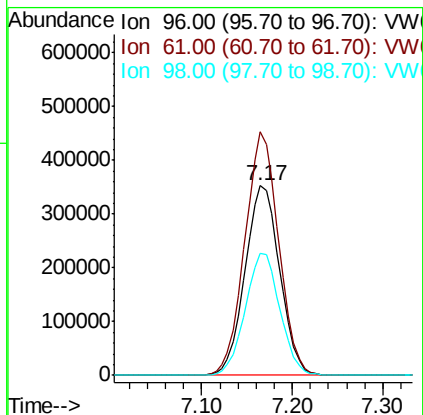
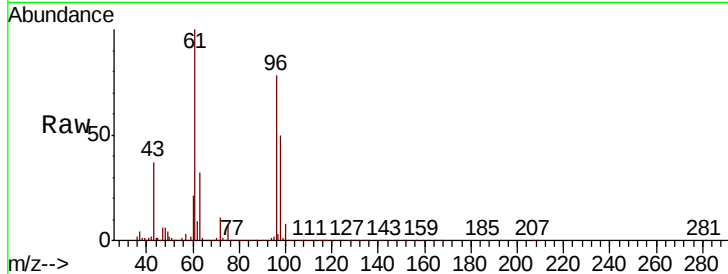


#22

cis-1,2-Dichloroethene
 Concen: 49.138 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW015176.D
 Acq: 10 Apr 2020 12:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05001

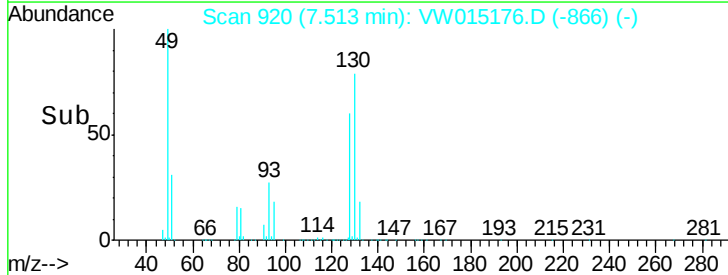
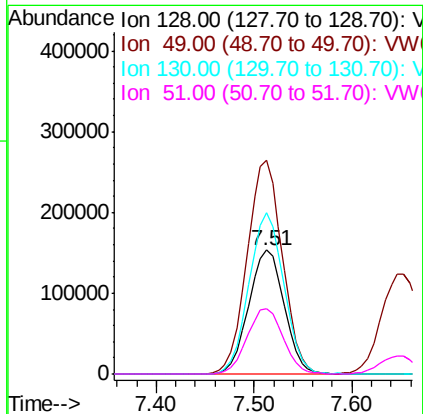
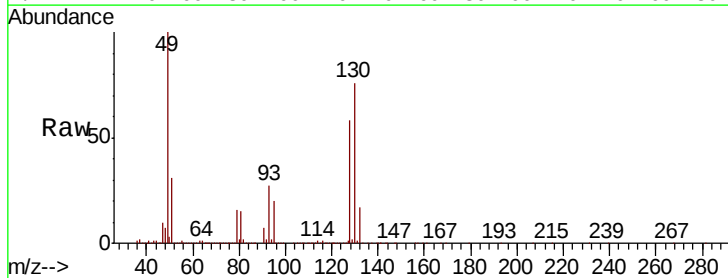
Tot Ion	Ratio	Lower	Upper
96	100		
61	128.5	87.8	163.0
98	64.3	45.7	84.9

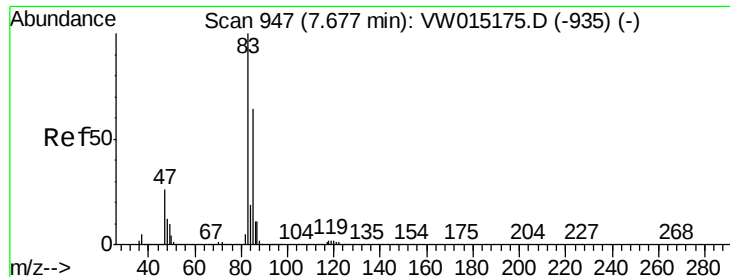


#23

Bromochloromethane
 Concen: 49.305 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW015176.D
 Acq: 10 Apr 2020 12:16

Tgt Ion	Ratio	Lower	Upper
128	100		
49	172.7	121.1	224.9
130	130.9	90.1	167.3
51	52.8	44.6	66.8





#25

Chloroform

Concen: 41.175 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW015176.D

Acq: 10 Apr 2020 12:16

Instrument :

MSVOA_W

ClientSampleId :

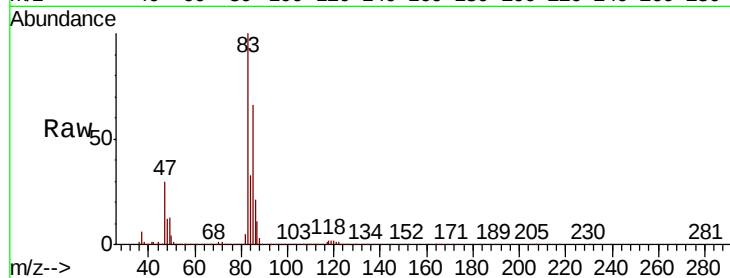
VSTD05001

Tot Ion: 83 Resp: 1476933

Ion Ratio Lower Upper

83 100

85 66.2 45.3 84.1



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

7.67

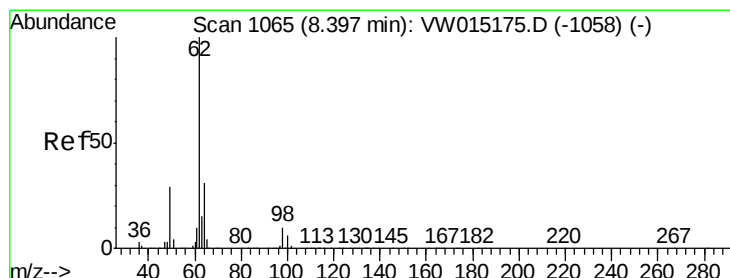
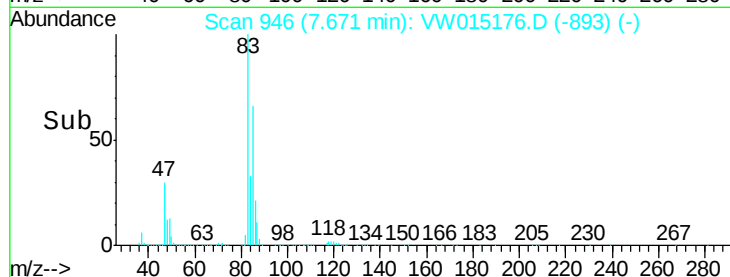
600000

400000

200000

0

Time-->



#27

1,2-Dichloroethane

Concen: 36.394 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW015176.D

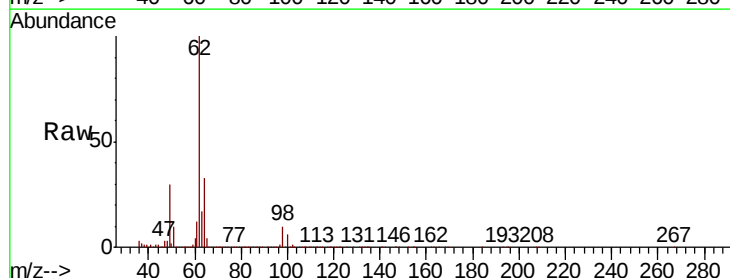
Acq: 10 Apr 2020 12:16

Tgt Ion: 62 Resp: 913555

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

500000

400000

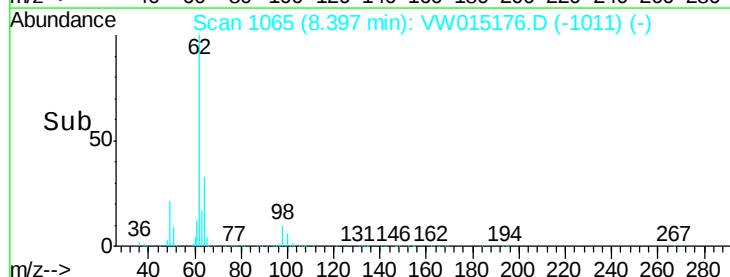
300000

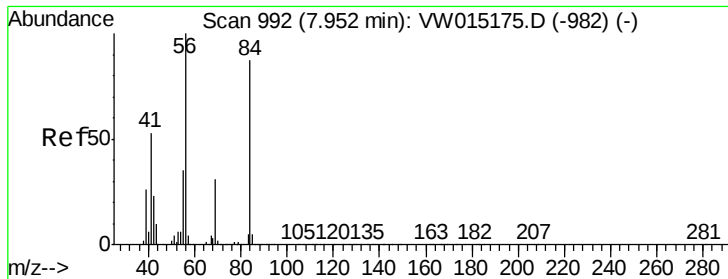
200000

100000

0

Time-->

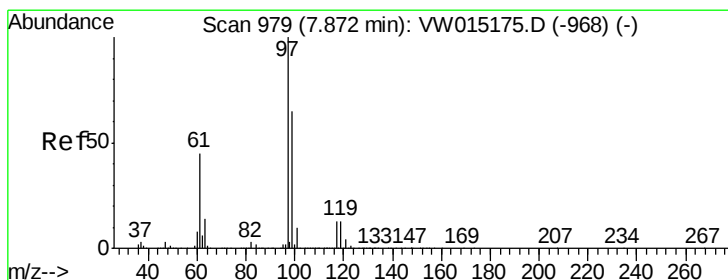
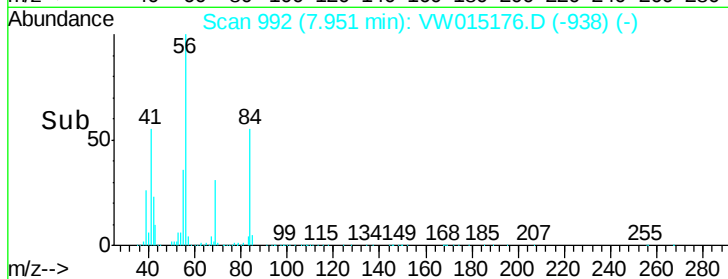
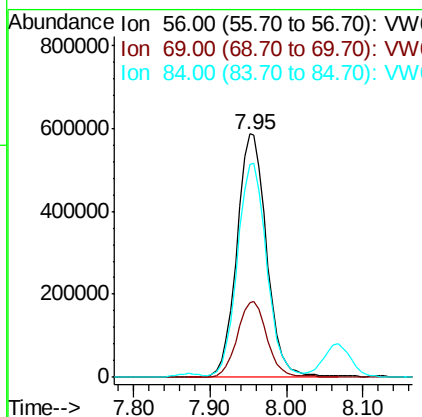
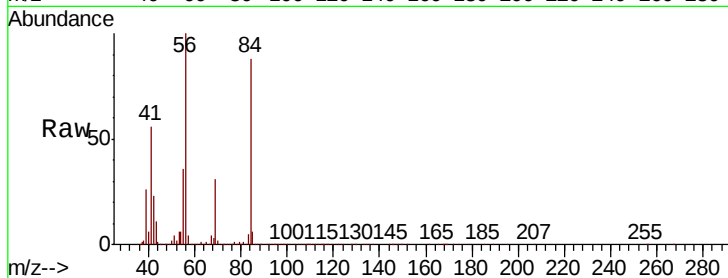




#30
Cyclohexane
Concen: 45.209 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW015176.D
Acq: 10 Apr 2020 12:16

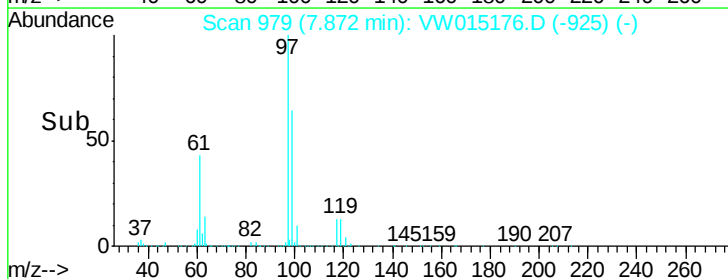
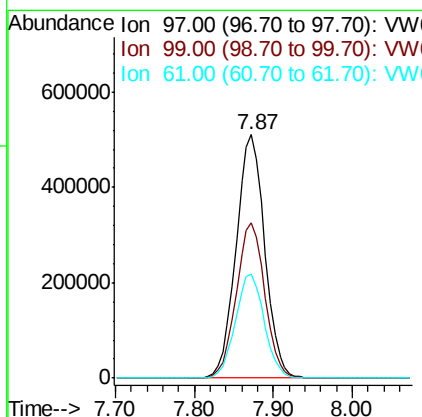
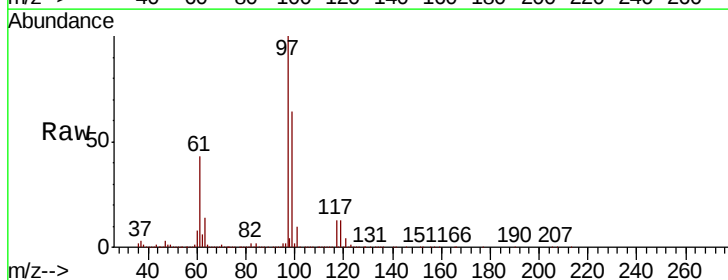
Instrument :
MSVOA_W
ClientSampleId :
VSTD05001

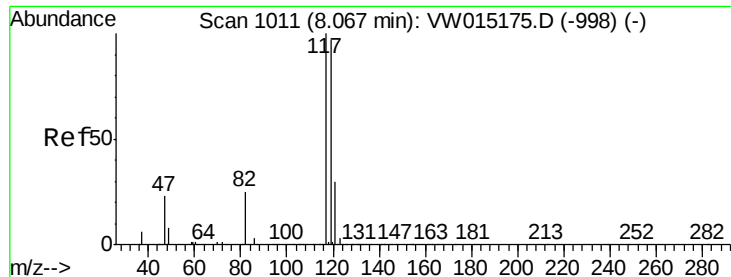
Tot Ion: 56 Resp: 1571750
Ion Ratio Lower Upper
56 100
69 31.0 24.9 37.3
84 87.4 70.6 105.8



#31
1,1,1-Trichloroethane
Concen: 44.996 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW015176.D
Acq: 10 Apr 2020 12:16

Tgt Ion: 97 Resp: 1281243
Ion Ratio Lower Upper
97 100
99 64.0 51.5 77.3
61 43.3 35.3 52.9





#32

Carbon tetrachloride

Concen: 47.276 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW015176.D

Acq: 10 Apr 2020 12:16

Instrument :

MSVOA_W

ClientSampleId :

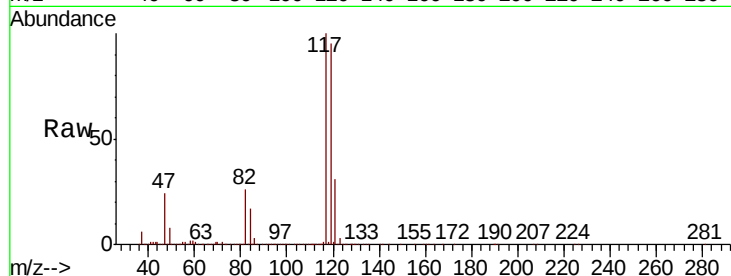
VSTD05001

Tot Ion:117 Resp: 1177736

Ion Ratio Lower Upper

117 100

119 95.1 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

500000

400000

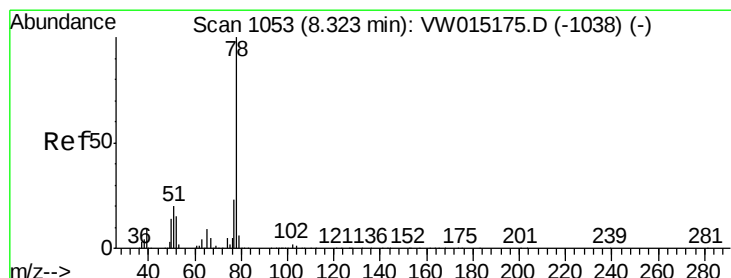
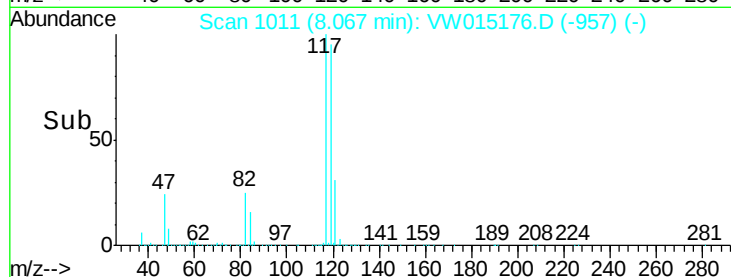
300000

200000

100000

0

Time-->



#34

Benzene

Concen: 44.062 ug/L

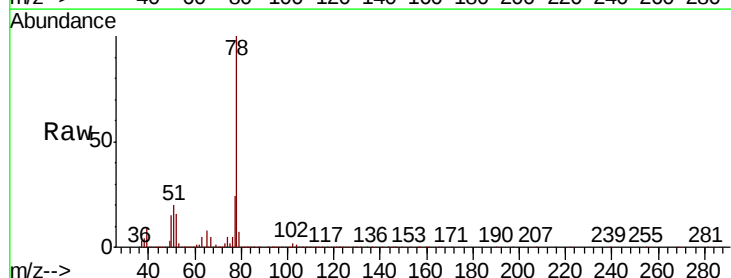
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW015176.D

Acq: 10 Apr 2020 12:16

Tgt Ion: 78 Resp: 3510585



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

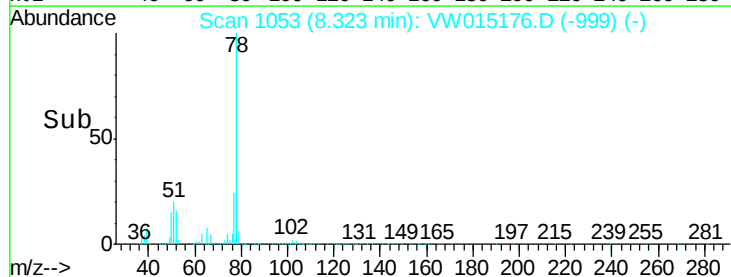
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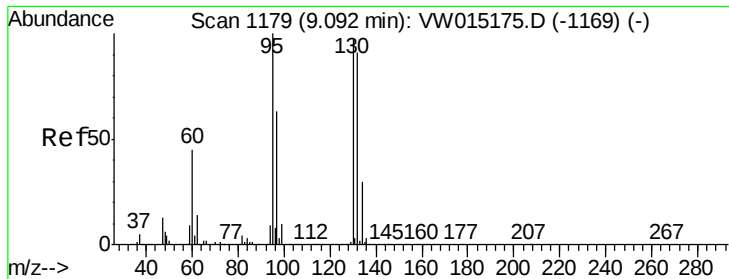
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500000

0

Time-->

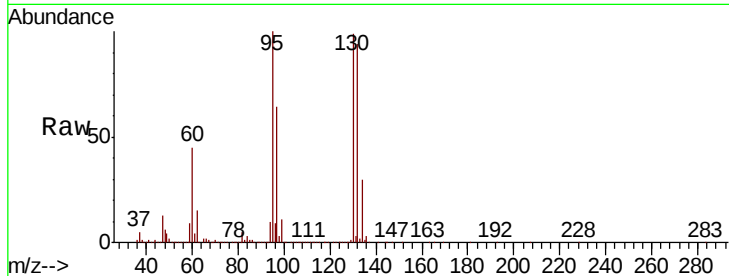




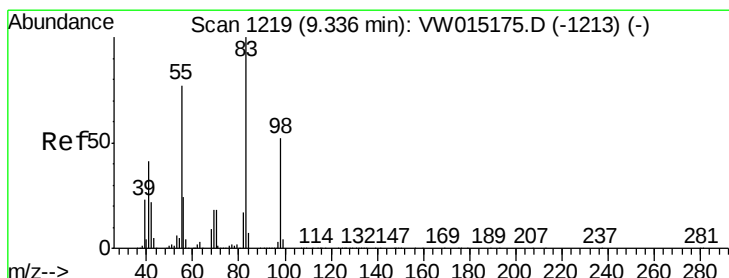
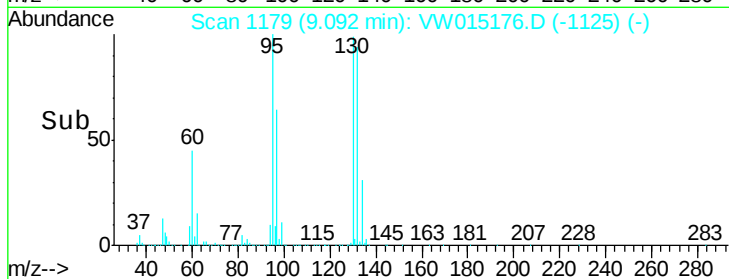
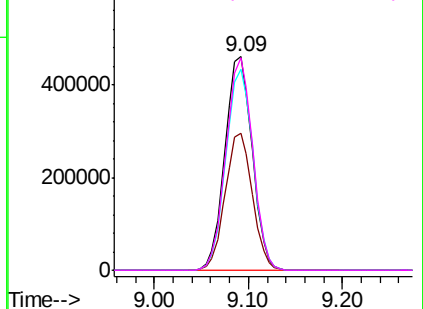
#35
 Trichloroethene
 Concen: 46.882 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW015176.D
 Acq: 10 Apr 2020 12:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05001

Tot Ion:	95	Resp:	922666
Ion	Ratio	Lower	Upper
95	100		
97	63.9	44.7	83.1
132	94.0	65.7	122.1
130	98.1	68.8	127.8

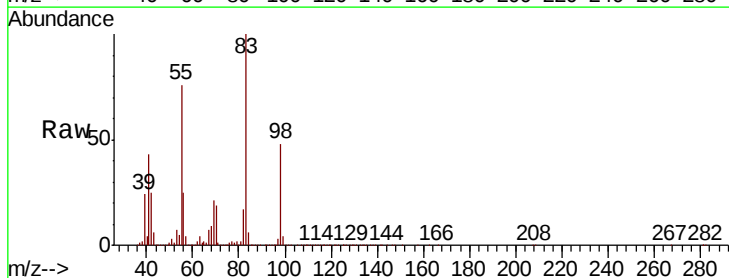


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

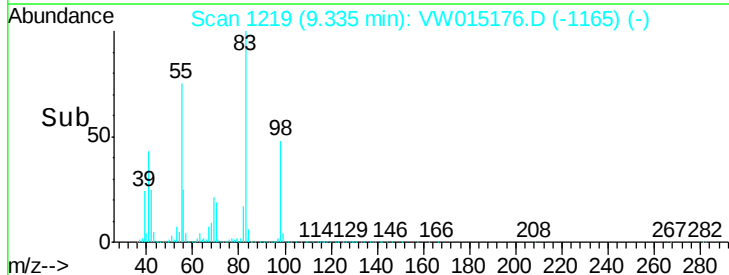
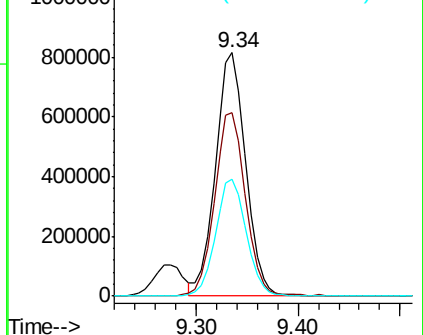


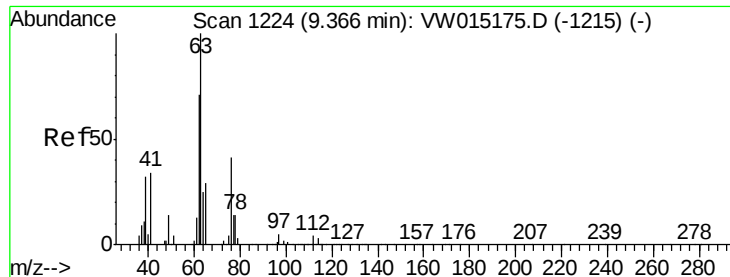
#36
 Methylcyclohexane
 Concen: 49.287 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW015176.D
 Acq: 10 Apr 2020 12:16

Tgt Ion:	83	Resp:	1673212
Ion	Ratio	Lower	Upper
83	100		
55	76.5	60.6	91.0
98	49.0	39.4	59.0



Abundance Ion 83.00 (82.70 to 83.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 40.072 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW015176.D

Acq: 10 Apr 2020 12:16

Instrument :

MSVOA_W

ClientSampleId :

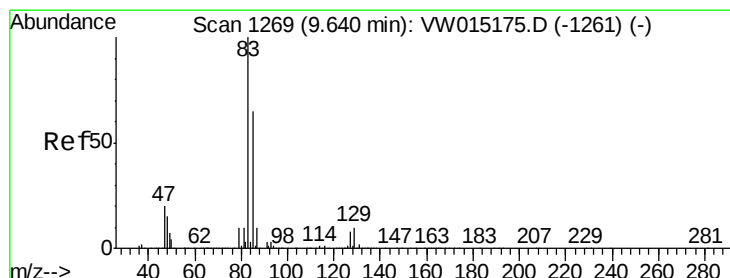
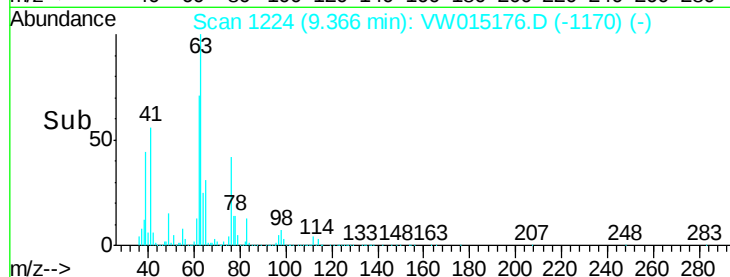
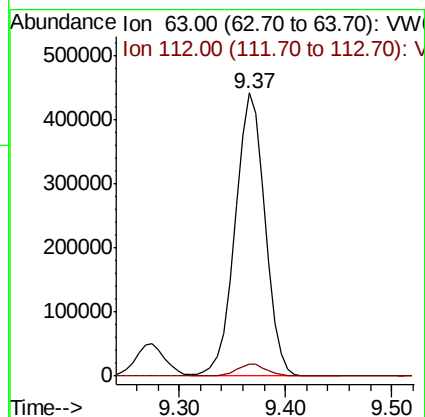
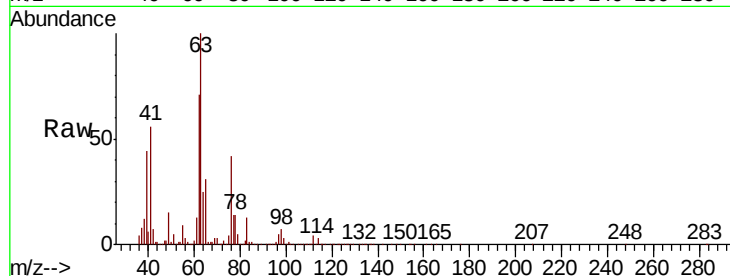
VSTD05001

Tot Ion: 63 Resp: 867348

Ion Ratio Lower Upper

63 100

112 4.2 3.4 5.2



#41

Bromodichloromethane

Concen: 44.039 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW015176.D

Acq: 10 Apr 2020 12:16

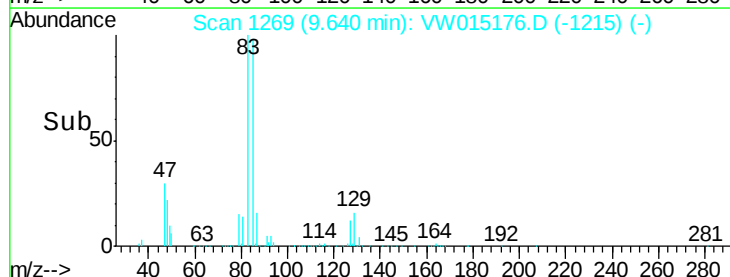
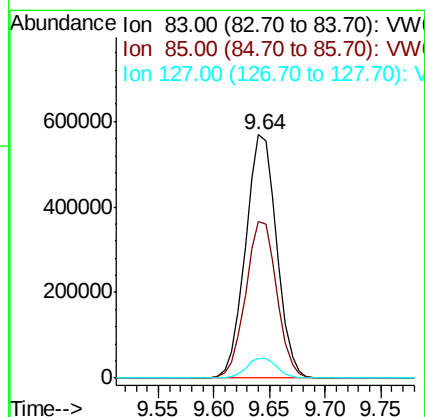
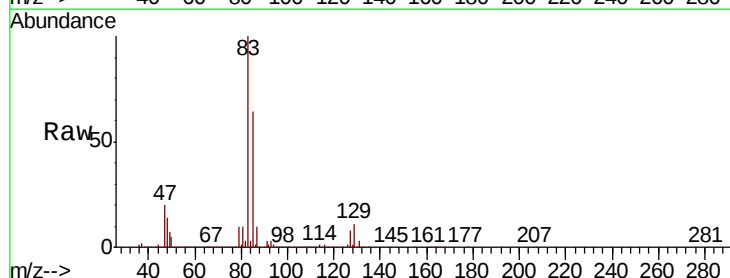
Tgt Ion: 83 Resp: 1104455

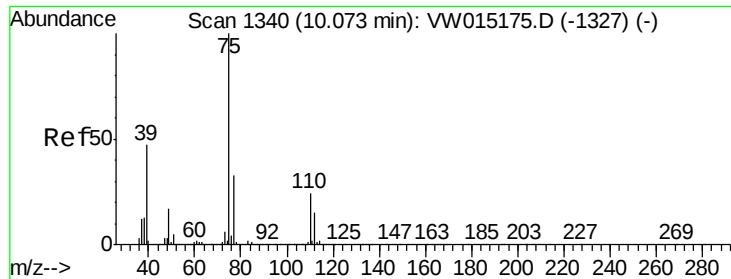
Ion Ratio Lower Upper

83 100

85 64.1 45.4 84.4

127 8.1 6.5 9.7





#42

cis-1,3-Dichloropropene

Concen: 48.238 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW015176.D

Acq: 10 Apr 2020 12:16

Instrument :

MSVOA_W

ClientSampleId :

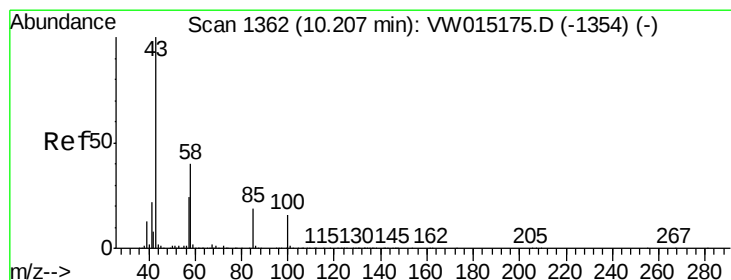
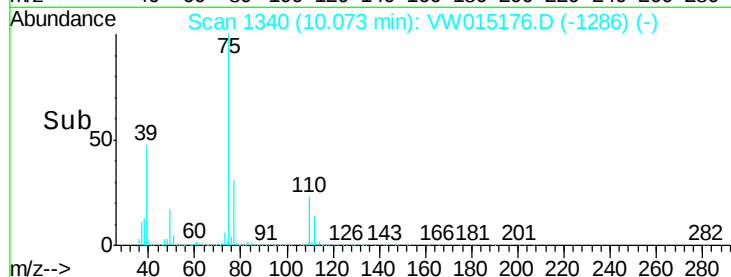
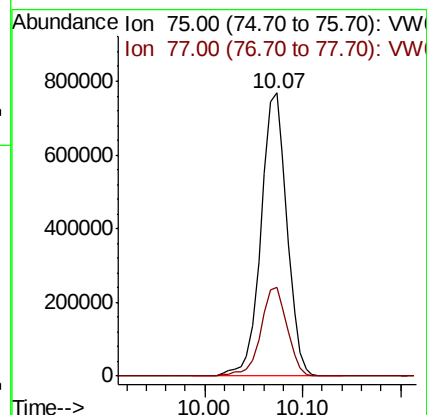
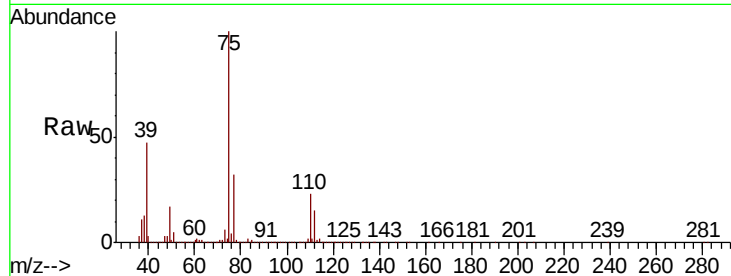
VSTD05001

Tot Ion: 75 Resp: 1413405

Ion Ratio Lower Upper

75 100

77 31.5 23.0 42.8



#43

4-Methyl-2-pentanone

Concen: 83.691 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW015176.D

Acq: 10 Apr 2020 12:16

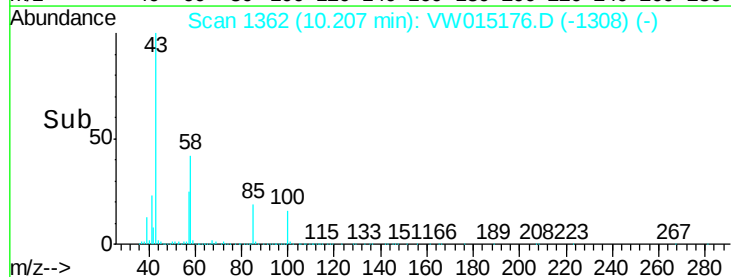
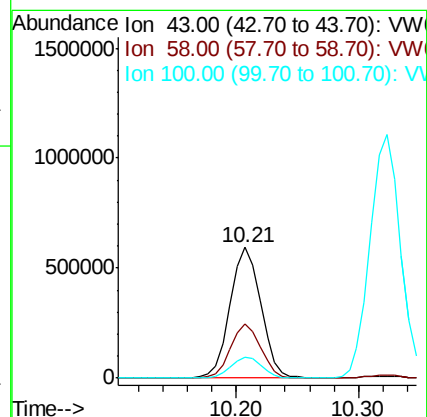
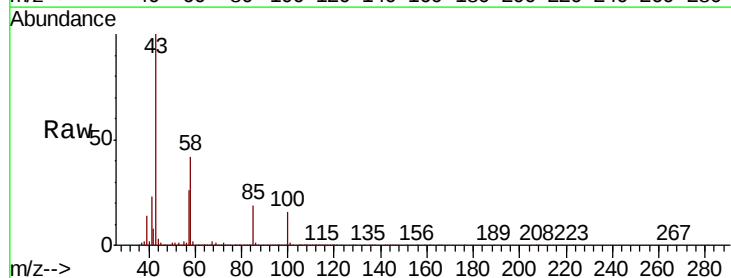
Tgt Ion: 43 Resp: 1026084

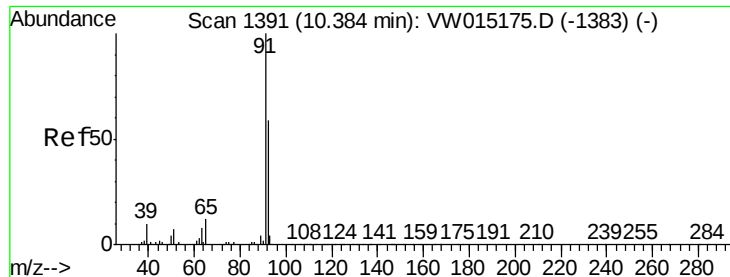
Ion Ratio Lower Upper

43 100

58 40.8 33.0 49.4

100 16.2 12.9 19.3





#44

Toluene

Concen: 47.287 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW015176.D

Acq: 10 Apr 2020 12:16

Instrument :

MSVOA_W

ClientSampleId :

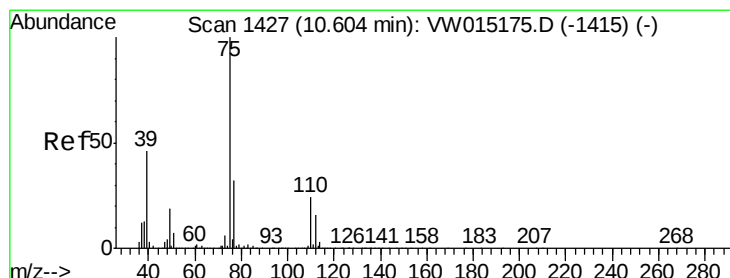
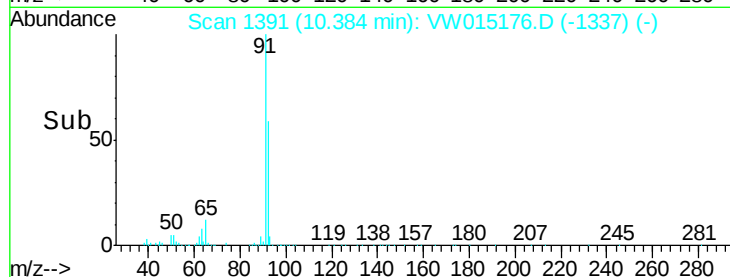
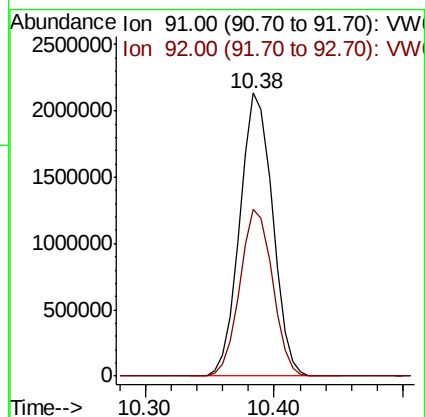
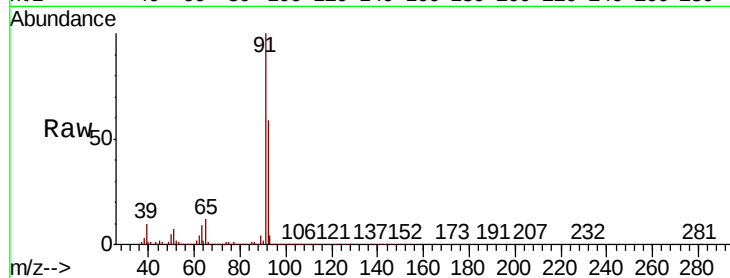
VSTD05001

Tot Ion: 91 Resp: 3753214

Ion Ratio Lower Upper

91 100

92 58.8 41.6 77.2



#45

trans-1,3-Dichloropropene

Concen: 47.437 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW015176.D

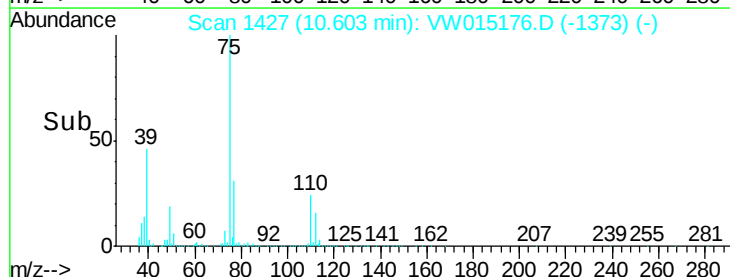
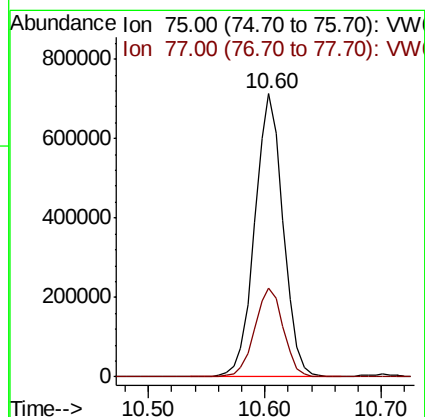
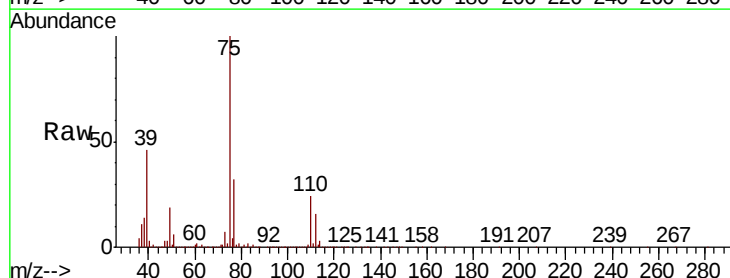
Acq: 10 Apr 2020 12:16

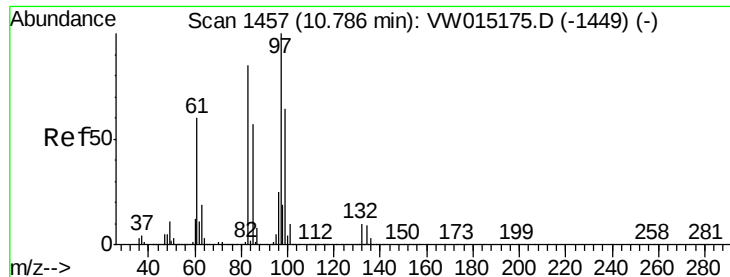
Tgt Ion: 75 Resp: 1211382

Ion Ratio Lower Upper

75 100

77 31.5 22.4 41.6





#46

1,1,2-Trichloroethane

Concen: 46.546 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW015176.D

Acq: 10 Apr 2020 12:16

Instrument :

MSVOA_W

ClientSampled :

VSTD05001

Tot Ion: 97 Resp: 610485

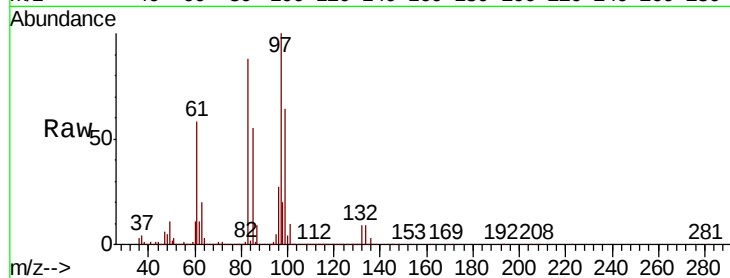
Ion Ratio Lower Upper

97 100

83 87.5 59.8 111.0

85 54.9 39.8 73.8

99 63.5 44.4 82.4

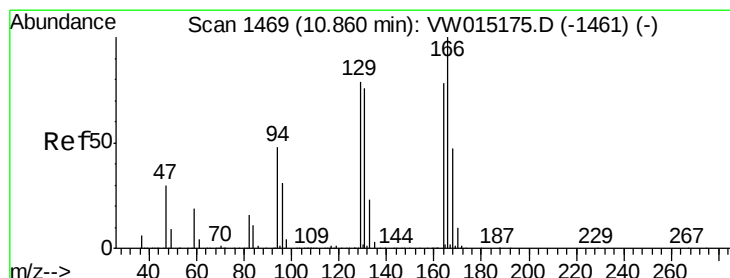
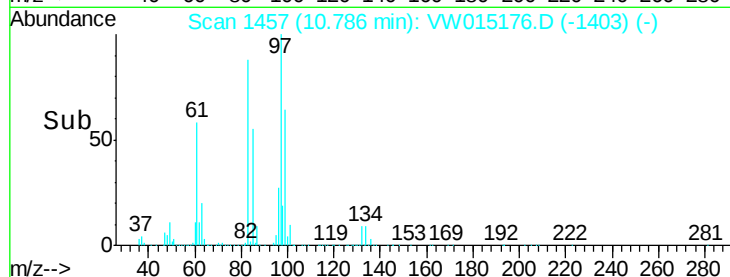
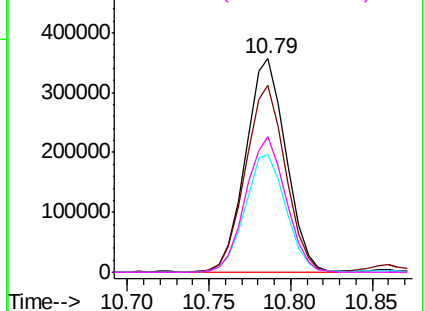


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 50.759 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW015176.D

Acq: 10 Apr 2020 12:16

Tgt Ion:164 Resp: 660147

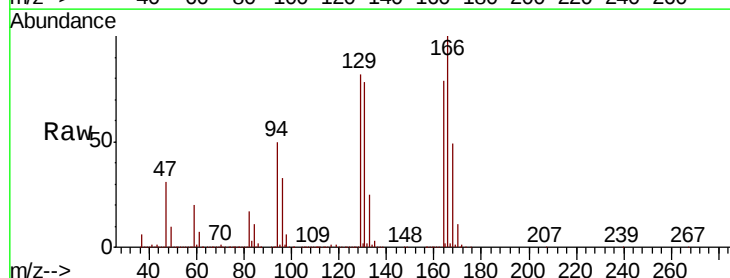
Ion Ratio Lower Upper

164 100

129 103.9 70.7 131.3

131 99.2 67.6 125.6

166 127.0 89.3 165.9

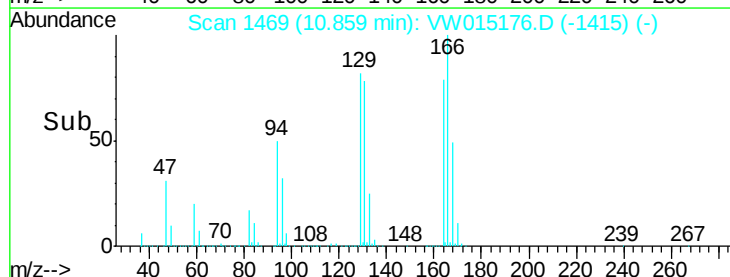
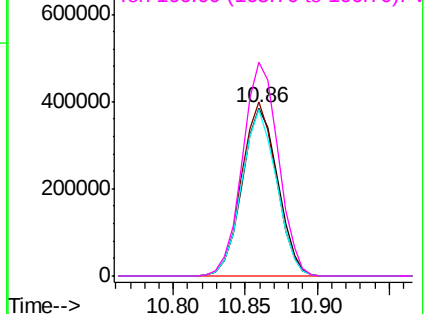


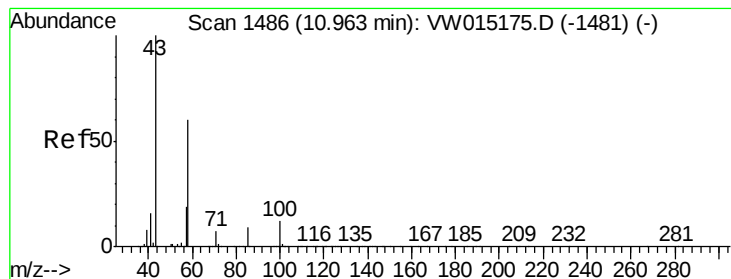
Abundance Ion 164.00 (163.70 to 164.70): V

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: 85.493 ug/L

RT: 10.96 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VW015176.D

Acq: 10 Apr 2020 12:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD05001

Tot Ion: 43 Resp: 693673

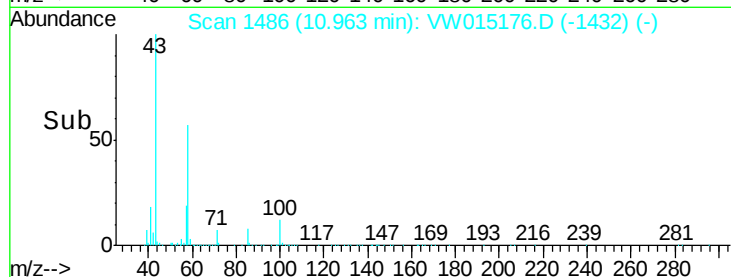
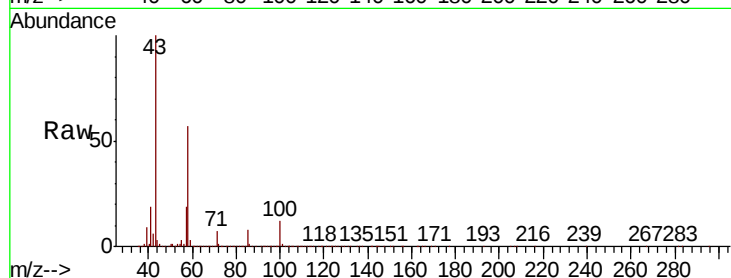
Ion Ratio Lower Upper

43 100

58 56.9 45.4 68.2

57 19.1 15.2 22.8

100 12.5 10.0 15.0

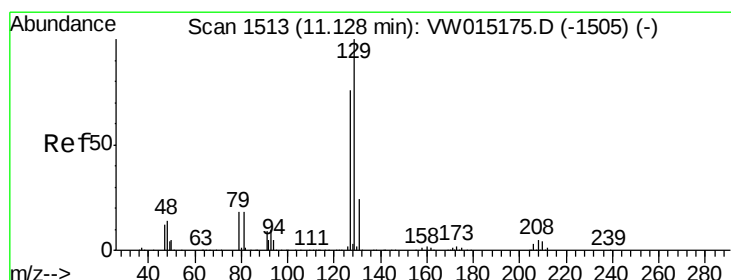
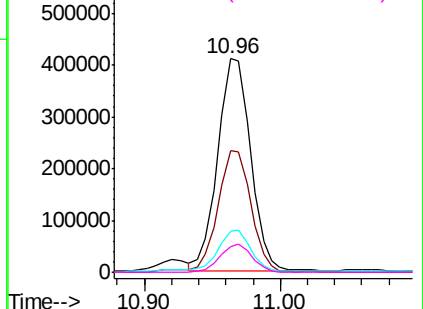


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 52.479 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW015176.D

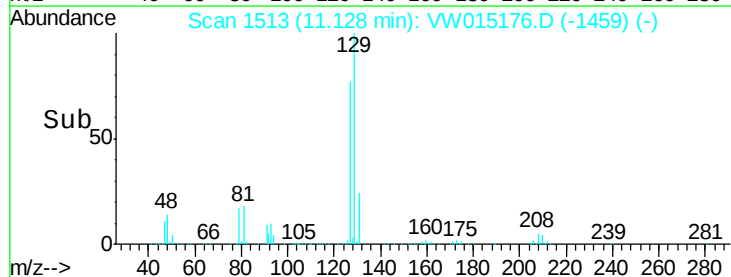
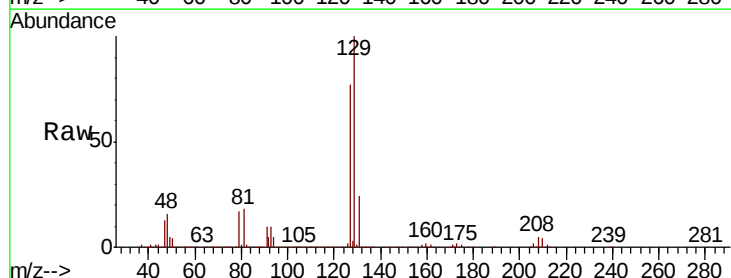
Acq: 10 Apr 2020 12:16

Tgt Ion: 129 Resp: 725552

Ion Ratio Lower Upper

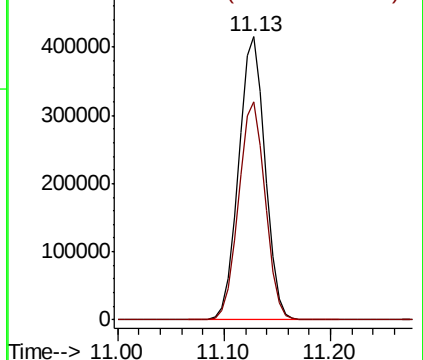
129 100

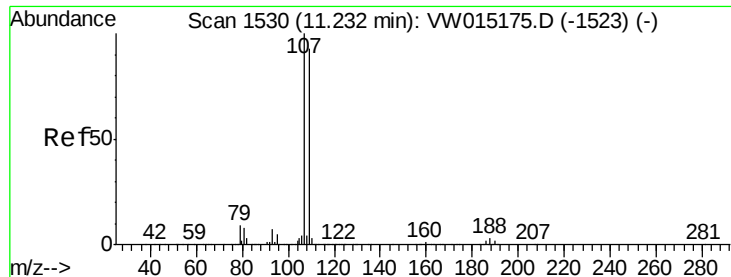
127 77.0 53.1 98.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

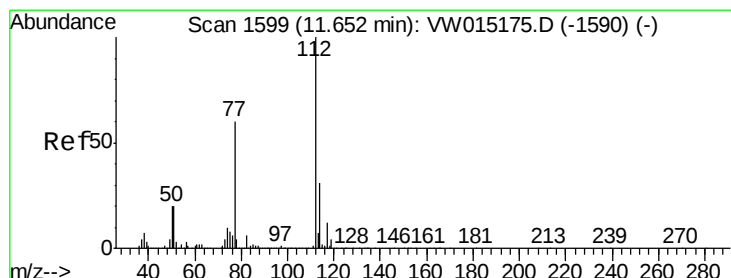
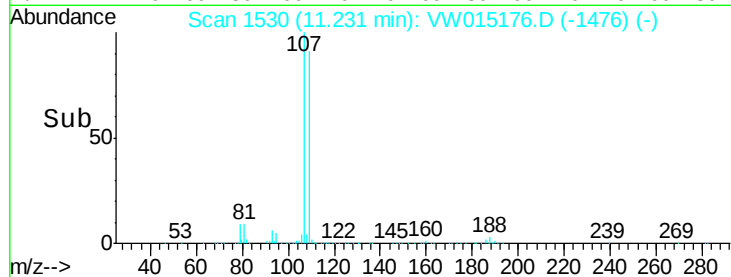
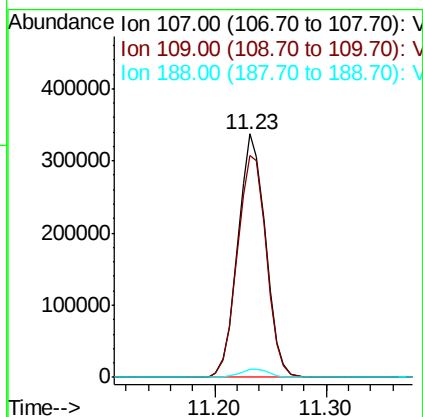
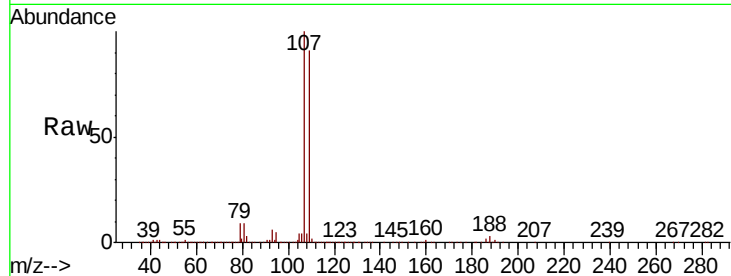




#51
 1,2-Dibromoethane
 Concen: 49.311 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW015176.D
 Acq: 10 Apr 2020 12:16

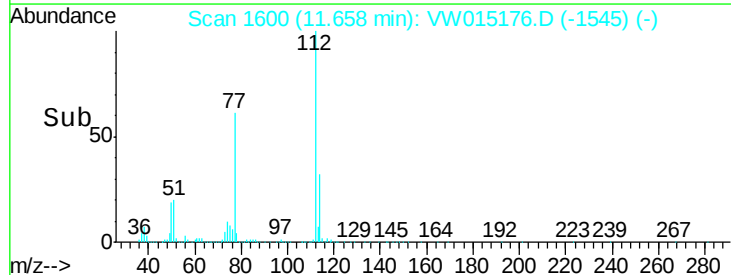
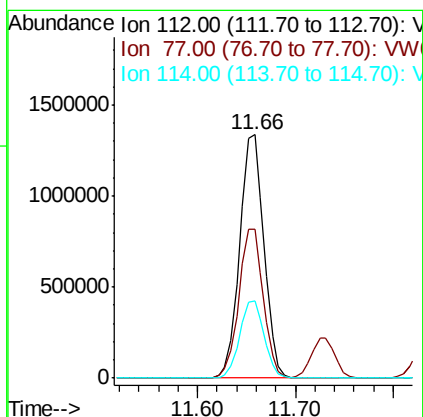
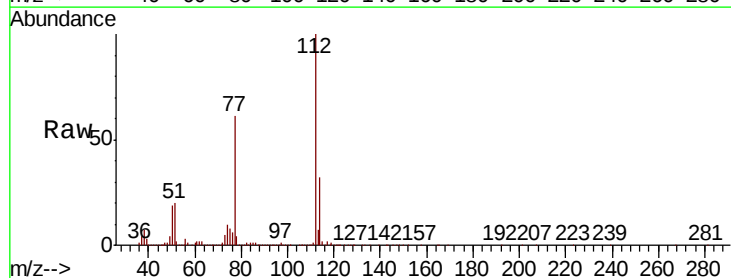
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05001

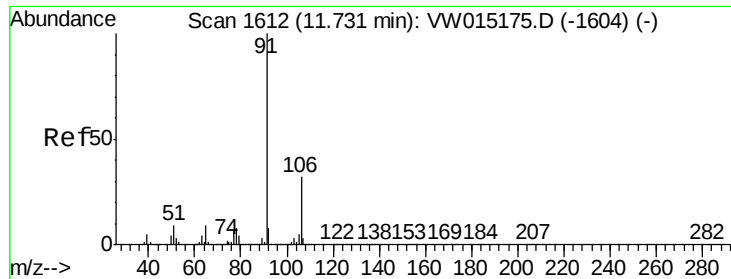
Tot Ion	Ratio	Lower	Upper
107	100		
109	91.2	65.0	120.8
188	3.5	2.6	4.0



#52
 Chlorobenzene
 Concen: 48.446 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.01 min
 Lab File: VW015176.D
 Acq: 10 Apr 2020 12:16

Tgt Ion	Ratio	Lower	Upper
112	100		
77	61.0	47.8	71.8
114	31.8	21.8	40.6

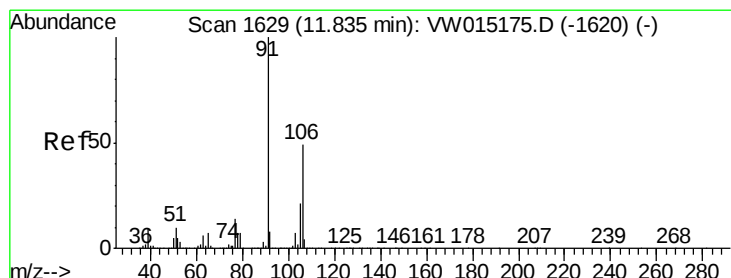
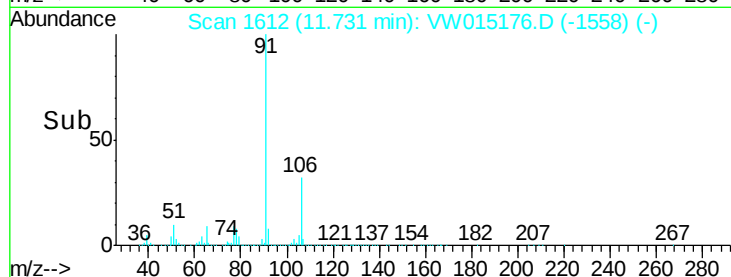
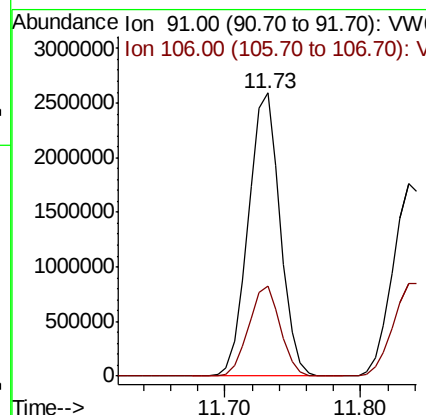
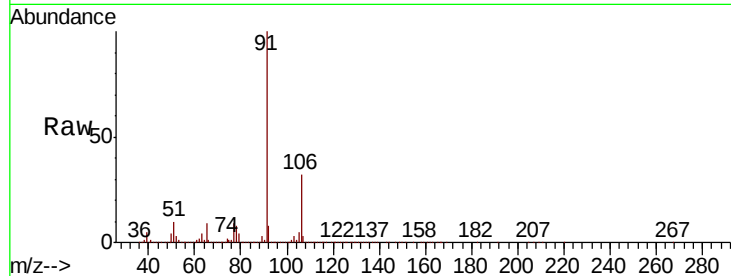




#53
Ethylbenzene
Concen: 49.095 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015176.D
Acq: 10 Apr 2020 12:16

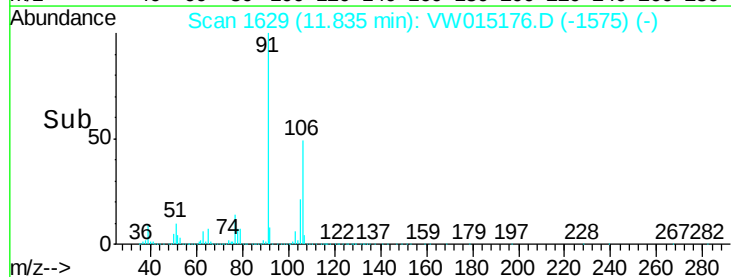
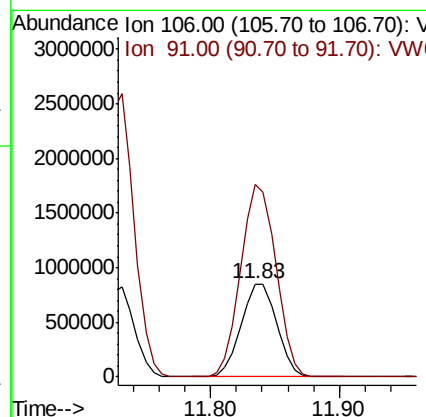
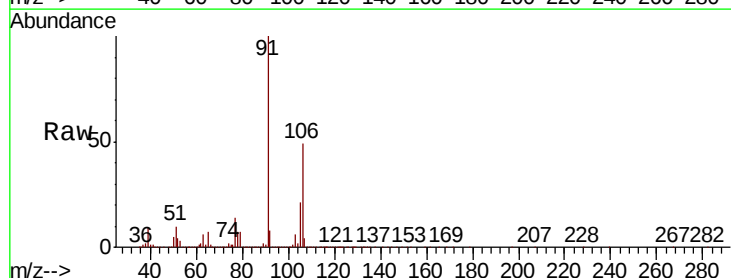
Instrument :
MSVOA_W
ClientSampleId :
VSTD05001

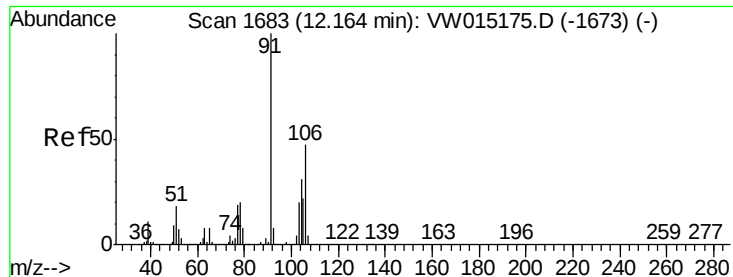
Tot Ion: 91 Resp: 4234058
Ion Ratio Lower Upper
91 100
106 31.9 22.5 41.7



#54
m,p-Xylene
Concen: 53.261 ug/L
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW015176.D
Acq: 10 Apr 2020 12:16

Tgt Ion: 106 Resp: 1635051
Ion Ratio Lower Upper
106 100
91 205.8 142.7 264.9

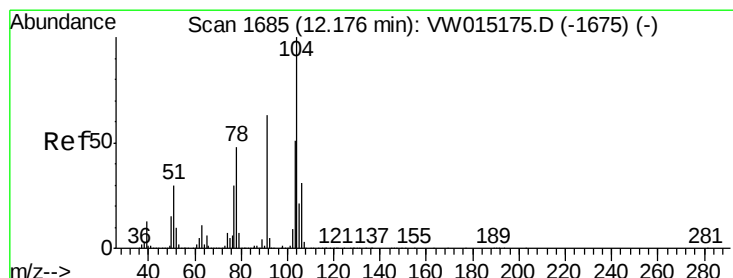
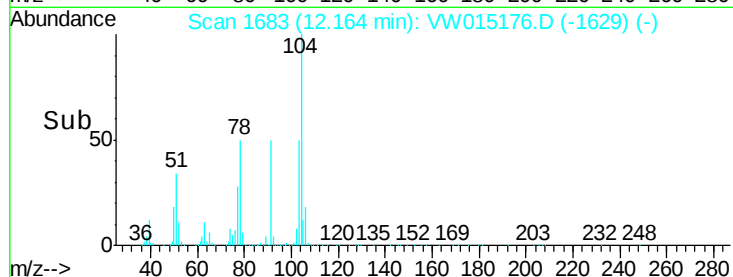
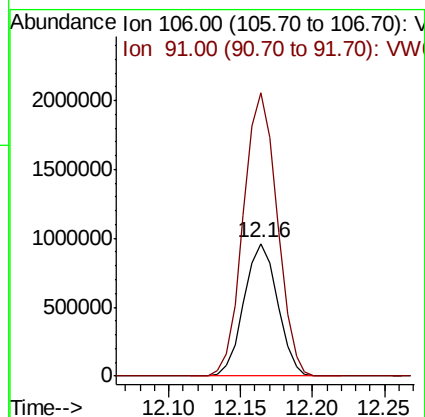
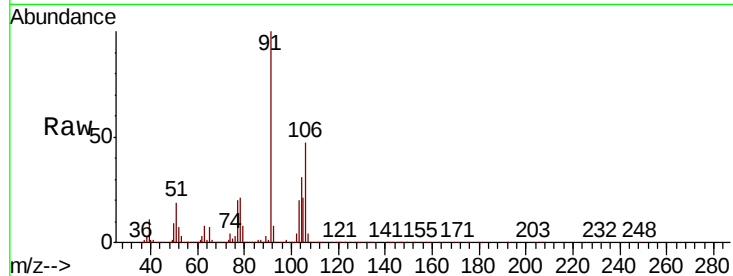




#55
o-xylene
Concen: 53.907 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW015176.D
Acq: 10 Apr 2020 12:16

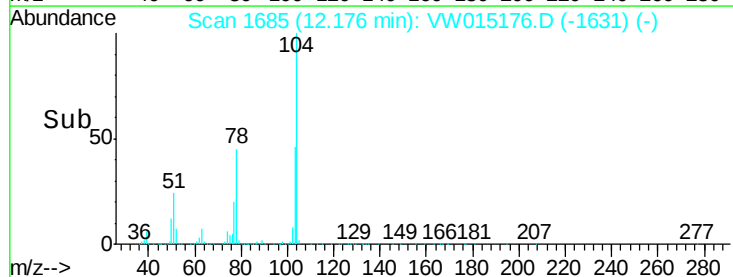
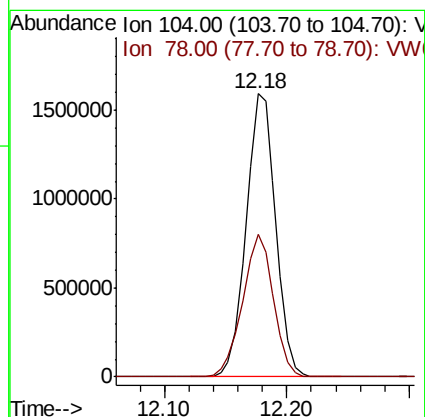
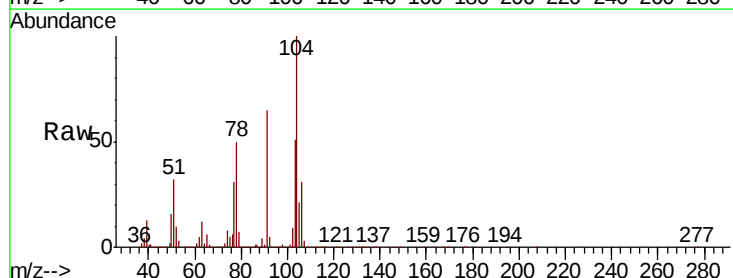
Instrument :
MSVOA_W
ClientSampleId :
VSTD05001

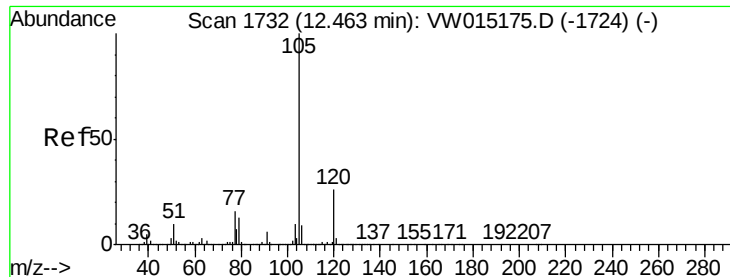
Tot Ion:106 Resp: 1558734
Ion Ratio Lower Upper
106 100
91 213.4 150.1 278.7



#56
Styrene
Concen: 54.321 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW015176.D
Acq: 10 Apr 2020 12:16

Tgt Ion:104 Resp: 2657851
Ion Ratio Lower Upper
104 100
78 50.2 33.9 63.0





#57

Isopropylbenzene

Concen: 53.505 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015176.D

Acq: 10 Apr 2020 12:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD05001

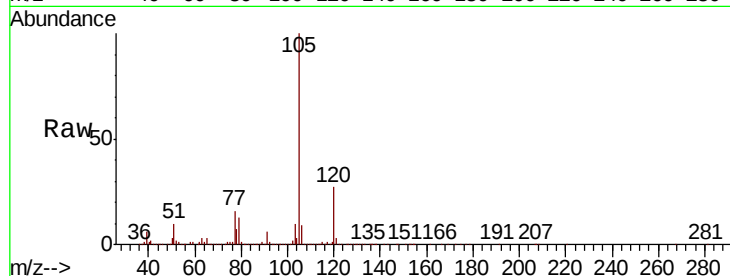
Tot Ion:105 Resp: 4242163

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.2

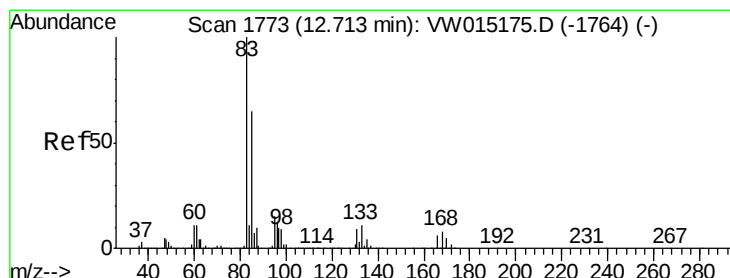
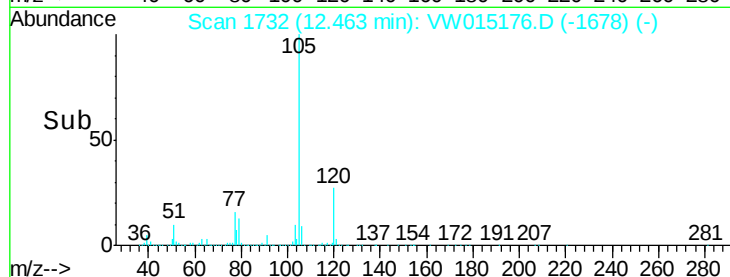
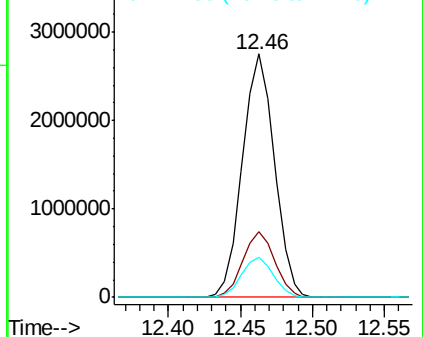
77 16.4 12.8 19.2



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: 45.091 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015176.D

Acq: 10 Apr 2020 12:16

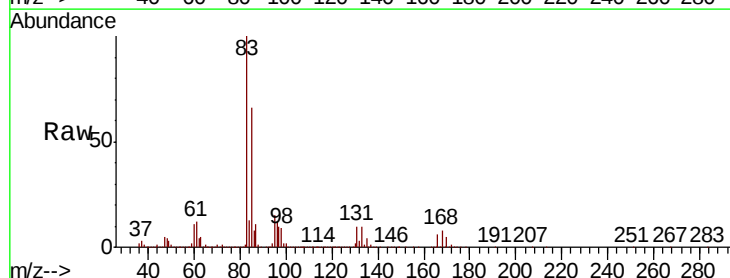
Tgt Ion: 83 Resp: 730800

Ion Ratio Lower Upper

83 100

85 65.7 45.8 85.0

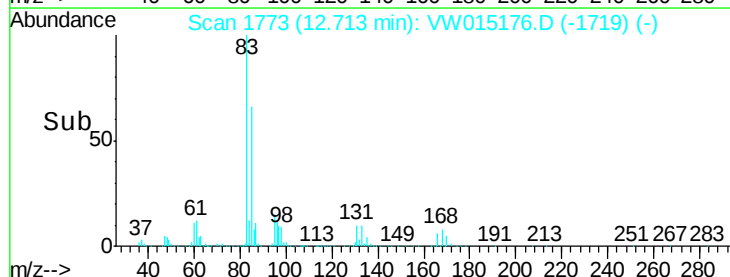
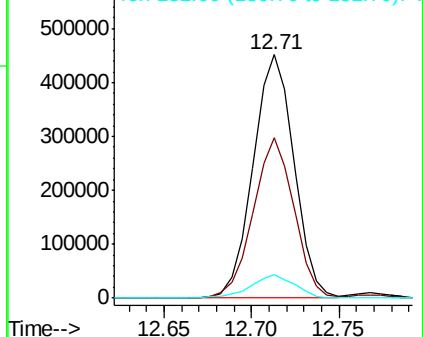
131 9.8 7.2 10.8

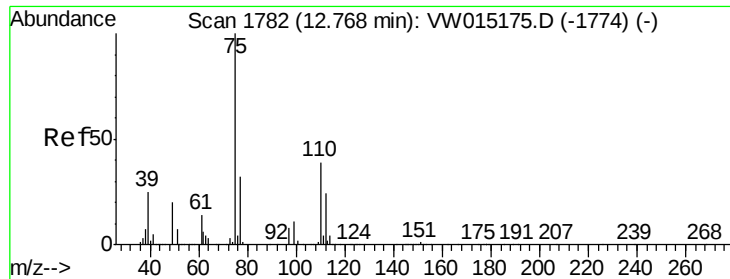


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 44.432 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW015176.D

Acq: 10 Apr 2020 12:16

Instrument :

MSVOA_W

ClientSampleId :

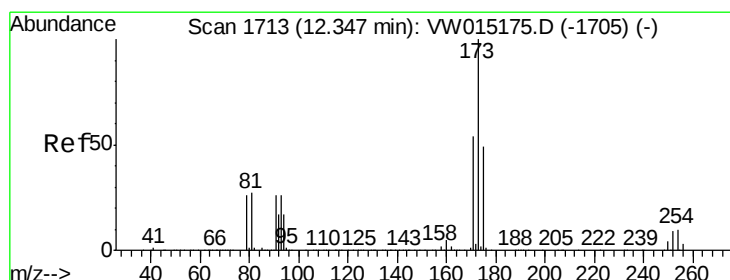
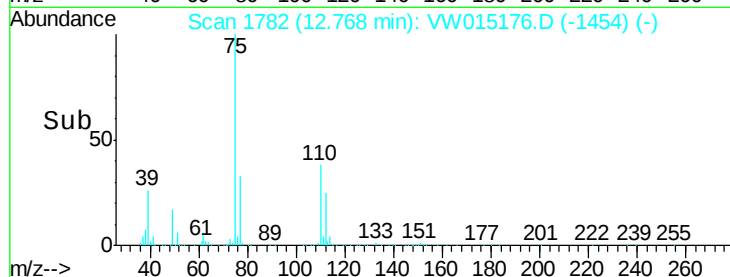
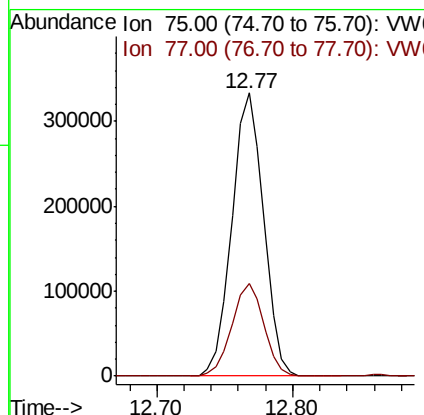
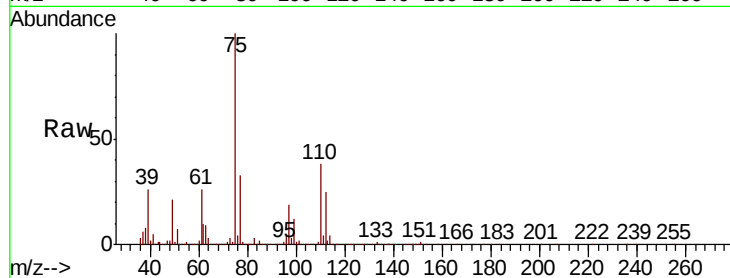
VSTD05001

Tot Ion: 75 Resp: 538723

Ion Ratio Lower Upper

75 100

77 33.0 25.7 38.5



#62

Bromoform

Concen: 55.519 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW015176.D

Acq: 10 Apr 2020 12:16

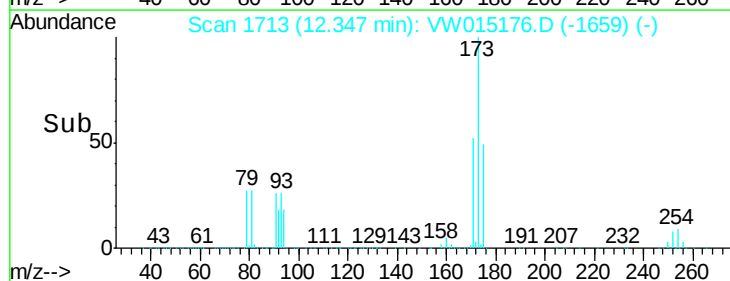
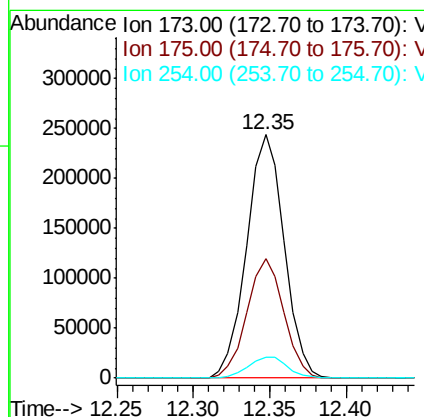
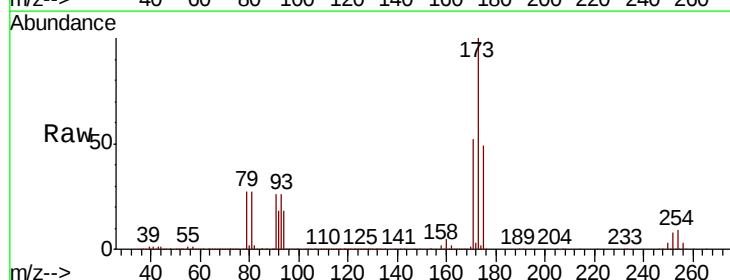
Tgt Ion: 173 Resp: 415131

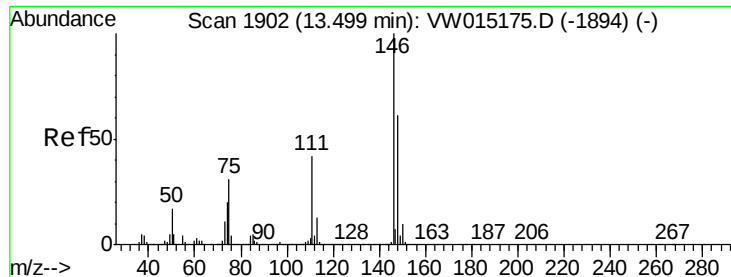
Ion Ratio Lower Upper

173 100

175 48.5 38.5 57.7

254 9.1 7.2 10.8



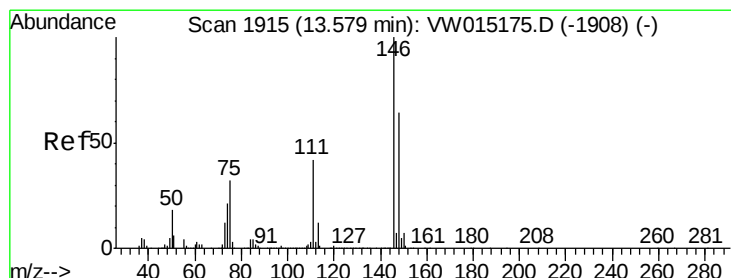
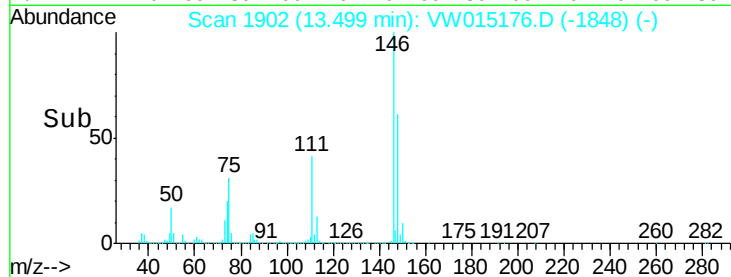
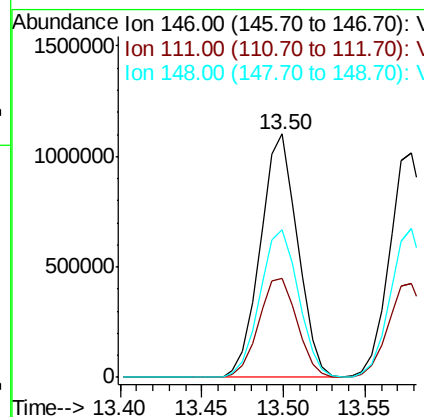
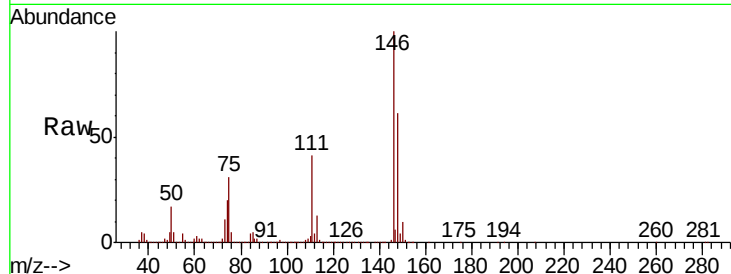


#63
 1,3-Dichlorobenzene
 Concen: 52.611 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015176.D
 Acq: 10 Apr 2020 12:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05001

Tot Ion:146 Resp: 1741307

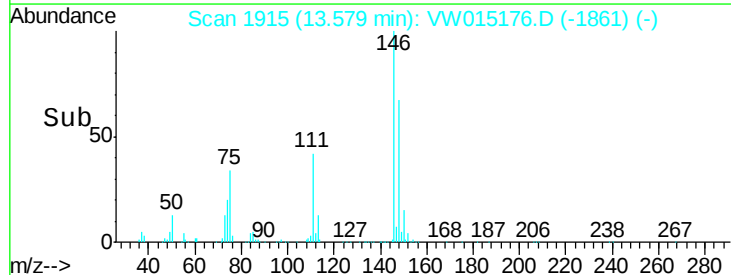
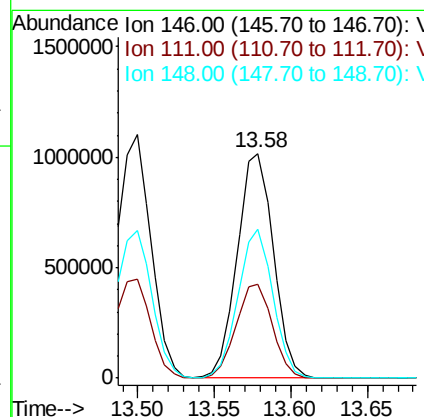
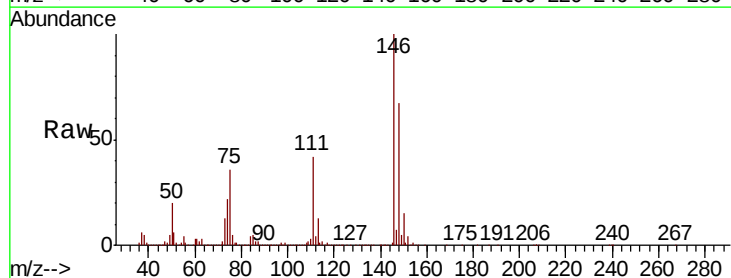
Ion	Ratio	Lower	Upper
146	100		
111	40.8	29.3	54.3
148	60.8	42.9	79.7

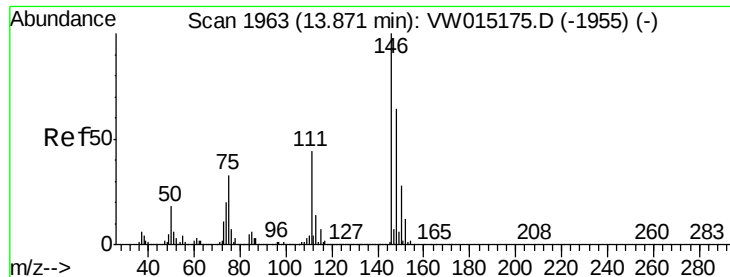


#64
 1,4-Dichlorobenzene
 Concen: 49.746 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015176.D
 Acq: 10 Apr 2020 12:16

Tgt Ion:146 Resp: 1667233

Ion	Ratio	Lower	Upper
146	100		
111	41.9	29.4	54.6
148	66.5	44.8	83.2

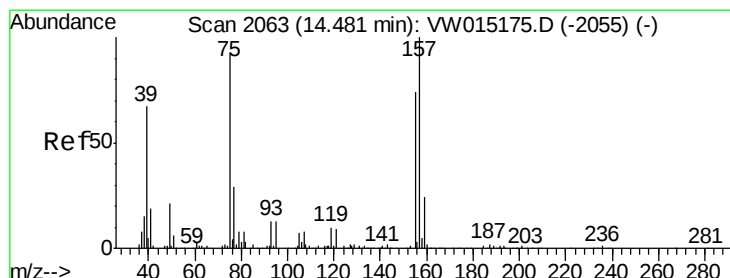
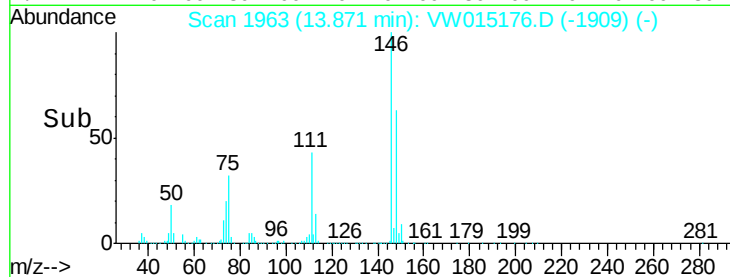
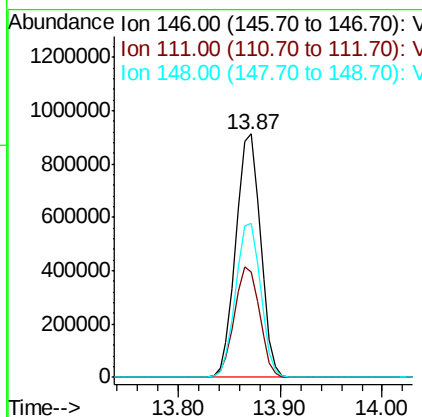
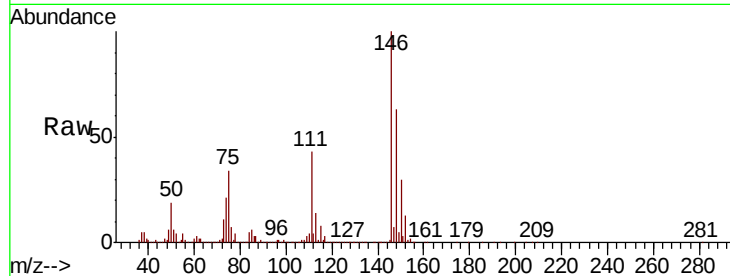




#65
 1,2-Dichlorobenzene
 Concen: 50.875 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW015176.D
 Acq: 10 Apr 2020 12:16

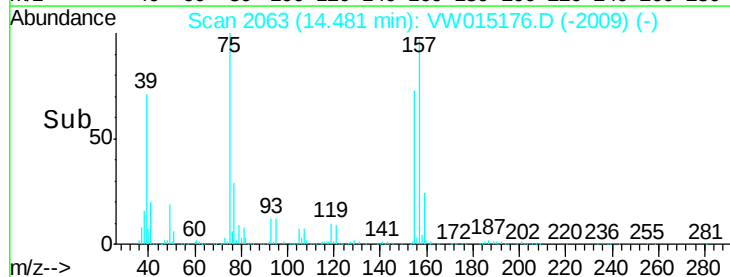
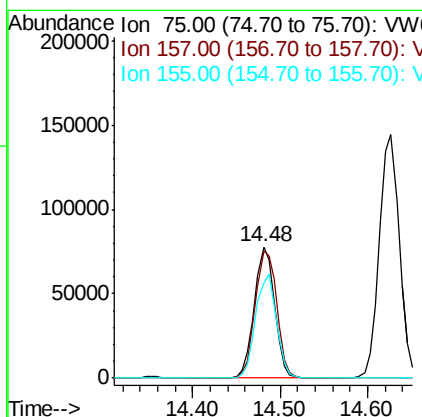
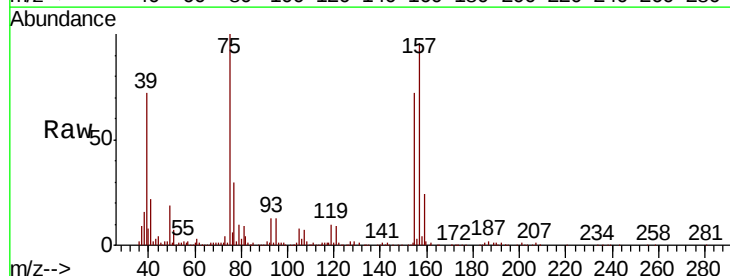
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD05001

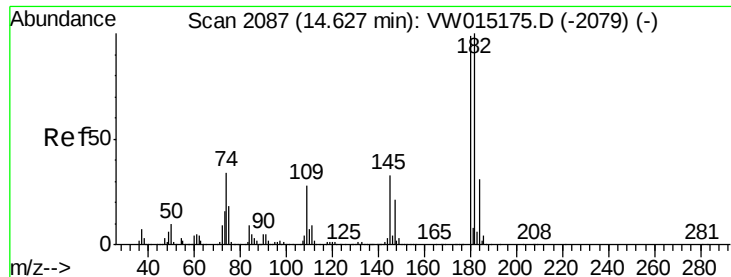
Tot Ion:146 Resp: 1523726
 Ion Ratio Lower Upper
 146 100
 111 43.3 35.2 52.8
 148 63.5 51.6 77.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 44.656 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW015176.D
 Acq: 10 Apr 2020 12:16

Tgt Ion: 75 Resp: 125345
 Ion Ratio Lower Upper
 75 100
 157 96.4 85.7 128.5
 155 72.4 63.8 95.6

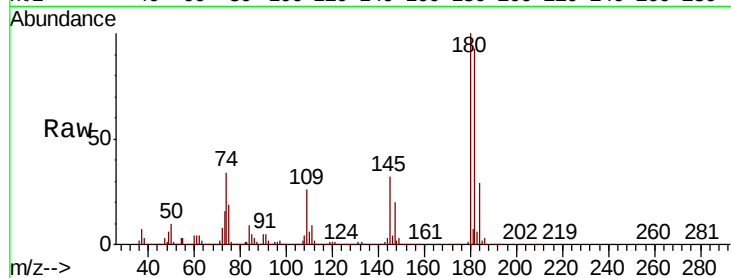




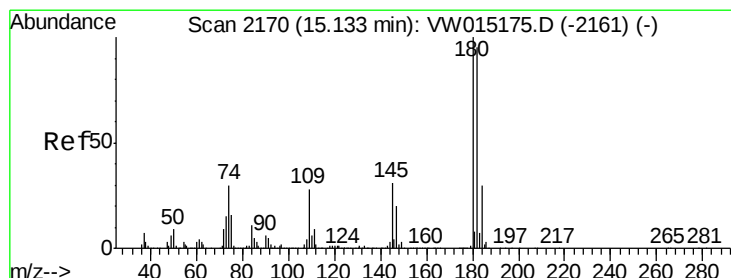
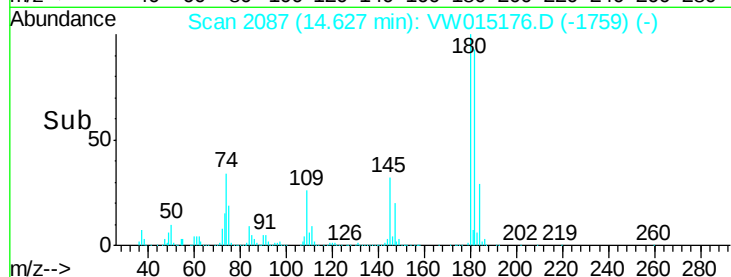
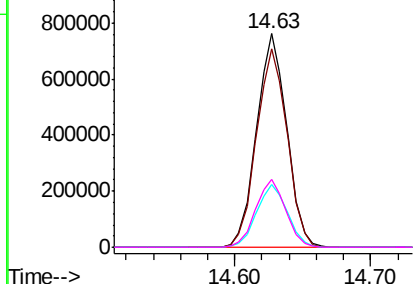
#67
 1,3,5-Trichlorobenzene
 Concen: 54.378 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW015176.D
 Acq: 10 Apr 2020 12:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05001

Tot Ion:180 Resp: 1185703
 Ion Ratio Lower Upper
 180 100
 182 94.6 77.1 115.7
 184 29.8 24.5 36.7
 145 31.7 25.4 38.2

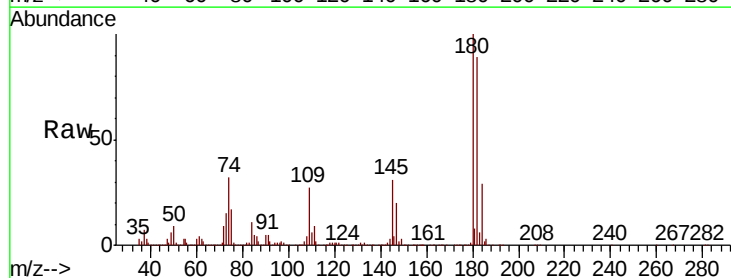


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

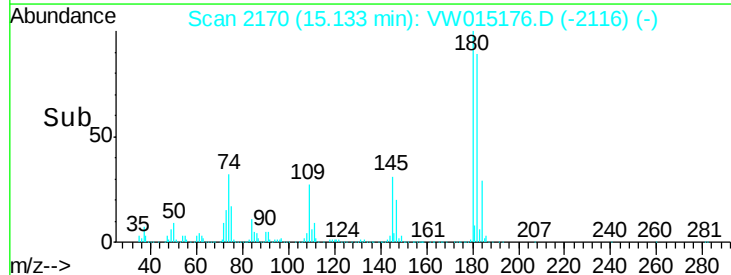
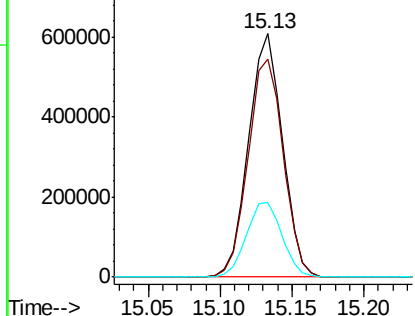


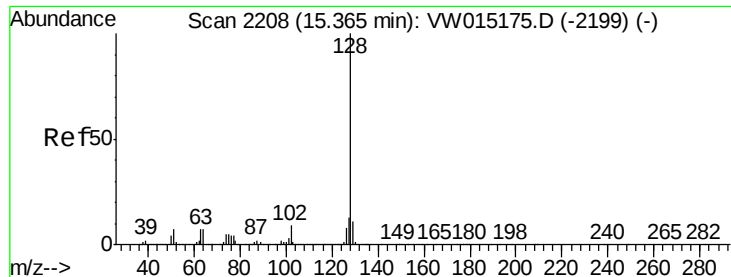
#68
 1,2,4-trichlorobenzene
 Concen: 59.137 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015176.D
 Acq: 10 Apr 2020 12:16

Tgt Ion:180 Resp: 986619
 Ion Ratio Lower Upper
 180 100
 182 93.1 77.7 116.5
 145 32.2 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: 61.824 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW015176.D

Acq: 10 Apr 2020 12:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD05001

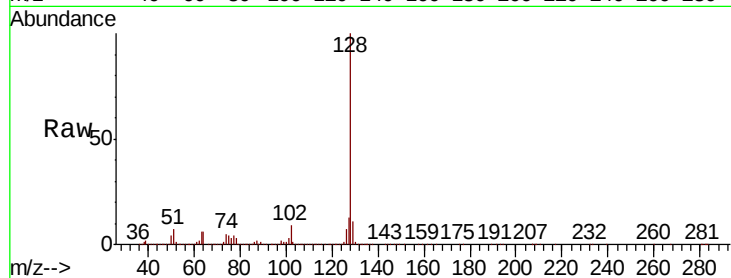
Tot Ion:128 Resp: 2012391

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

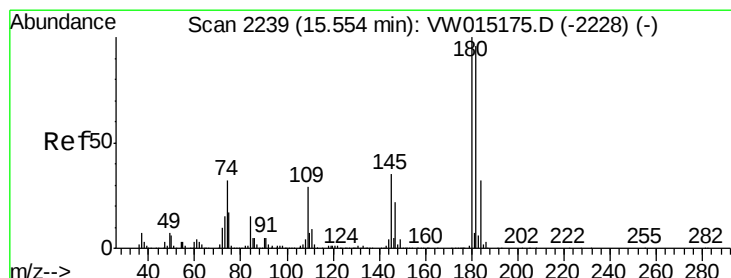
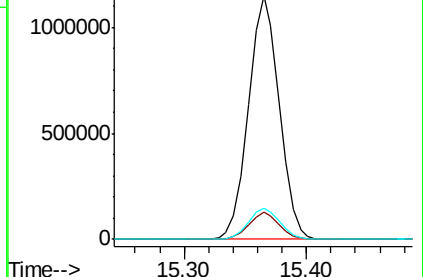
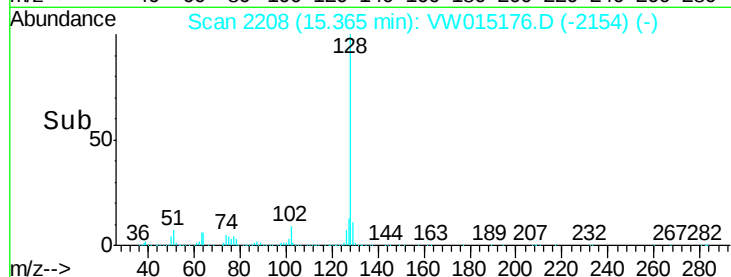
127 12.9 10.4 15.6



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: 54.573 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW015176.D

Acq: 10 Apr 2020 12:16

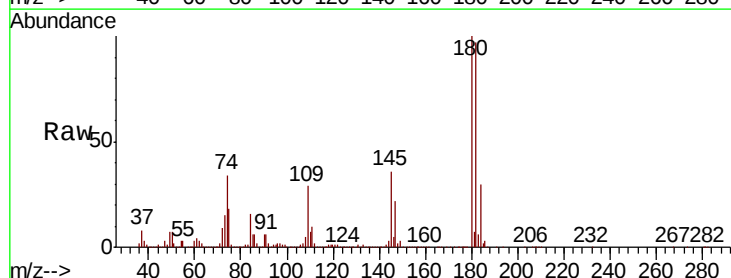
Tgt Ion:180 Resp: 833393

Ion Ratio Lower Upper

180 100

182 95.6 75.0 112.6

145 35.0 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

