

Data File : VW010295.D
Acq On : 07 May 2019 12:14
Operator : SY/VA
Sample : VSTD10011
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD10008

Quant Time: May 08 01:53:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM050719S.M
Quant Title : VOC Analysis
QLast Update : Wed May 08 01:48:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	579243	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	538829	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	261122	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	628780	93.23	ug/L	0.00
7) Chloroethane-d5	2.88	69	516532	90.99	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	1555688	92.58	ug/L	0.00
20) 2-Butanone-d5	7.07	46	743634	237.99	ug/L	0.00
24) Chloroform-d	7.64	84	1485179	96.27	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	859452	94.10	ug/L	0.00
29) Benzene-d6	8.27	84	2868368	98.00	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	882197	98.60	ug/L	0.00
37) Toluene-d8	10.32	98	2616809	100.28	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	427759	104.57	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	593991	259.80	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	871603	102.44	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	877400	98.46	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	768949	96.241	ug/L	98
3) Chloromethane	2.22	50	726469	97.324	ug/L	99
5) Vinyl chloride	2.37	62	811609	92.888	ug/L	96
6) Bromomethane	2.77	94	469552	88.903	ug/L	99
8) Chloroethane	2.92	64	475926	89.825	ug/L	99
9) Trichlorofluoromethane	3.25	101	548959	97.339	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	726345	90.779	ug/L	98
12) 1,1-Dichloroethene	4.03	96	756258	96.172	ug/L	94
13) Acetone	4.12	43	516337	193.115	ug/L	100
14) Carbon disulfide	4.37	76	2293250	95.292	ug/L	98
15) Methyl Acetate	4.66	43	578170	100.766	ug/L	99
16) Methylene chloride	4.91	84	710006	88.275	ug/L	95
17) Methyl tert-butyl Ether	5.42	73	1084714	105.243	ug/L	98
18) trans-1,2-Dichloroethene	5.41	96	799071	98.507	ug/L	98
19) 1,1-Dichloroethane	6.21	63	1519285	97.711	ug/L	99
21) 2-Butanone	7.17	43	893645	233.645	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	874297	104.377	ug/L	99
23) Bromochloromethane	7.51	128	368174	97.969	ug/L	98
25) Chloroform	7.67	83	1488296	96.926	ug/L	100
27) 1,2-Dichloroethane	8.40	62	1095690	97.228	ug/L	98
30) Cyclohexane	7.95	56	1533265	110.050	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	1160646	94.587	ug/L	99
32) Carbon tetrachloride	8.06	117	1197821	98.217	ug/L	100
34) Benzene	8.32	78	3294800	99.623	ug/L	100
35) Trichloroethene	9.09	95	866064	99.109	ug/L	100
36) Methylcyclohexane	9.33	83	1575704	106.752	ug/L	100
40) 1,2-Dichloropropane	9.37	63	826881	97.976	ug/L	100
41) Bromodichloromethane	9.64	83	1100854	100.801	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	1380040	109.277	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	1741051	231.573	ug/L	98

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QLast Update : Wed May 08 01:48:21 2019
Response via : Initial Calibration

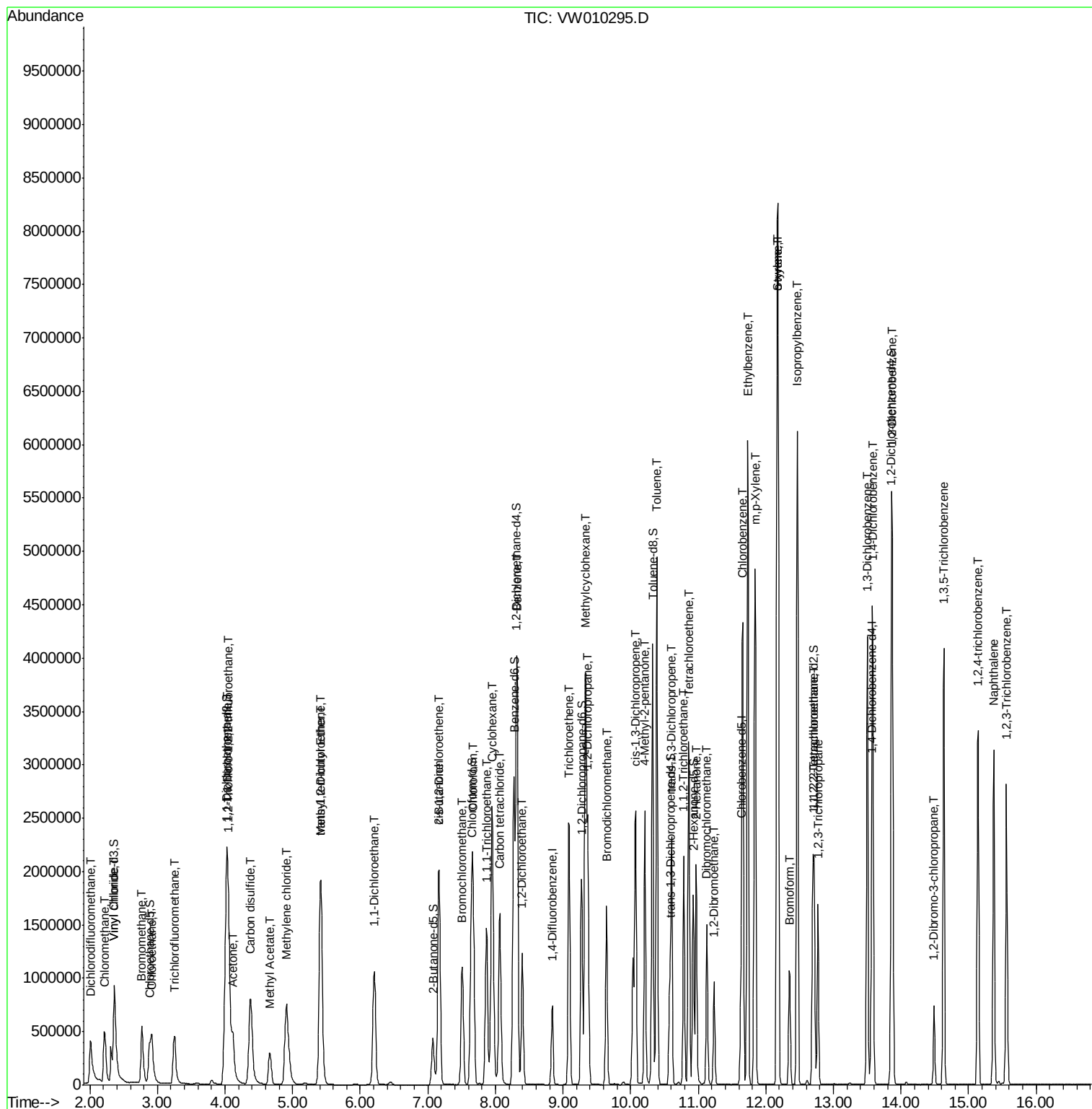
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	3511627	101.383	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	1184665	108.790	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	628358	99.682	ug/L	99
47) Tetrachloroethene	10.86	164	663441	100.412	ug/L	99
49) 2-Hexanone	10.97	43	1316108	230.828	ug/L	98
50) Dibromochloromethane	11.13	129	756103	104.274	ug/L	98
51) 1,2-Dibromoethane	11.24	107	643887	103.702	ug/L	99
52) Chlorobenzene	11.66	112	2139953	98.899	ug/L	99
53) Ethylbenzene	11.73	91	4022381	104.041	ug/L	99
54) m,p-Xylene	11.84	106	1494685	106.274	ug/L	97
55) o-xylene	12.16	106	1420350	108.480	ug/L	100
56) Styrene	12.18	104	2452230	108.539	ug/L	99
57) Isopropylbenzene	12.47	105	3909527	108.651	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	886751	102.355	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	688317	103.498	ug/L	100
62) Bromoform	12.35	173	475845	105.957	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	1609284	103.508	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	1623291	96.408	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	1485667	99.318	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	187392	105.125	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	1172839	100.710	ug/L	100
68) 1,2,4-trichlorobenzene	15.14	180	990967	107.522	ug/L	99
69) Naphthalene	15.37	128	2527695	121.611	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	920164	103.938	ug/L	99

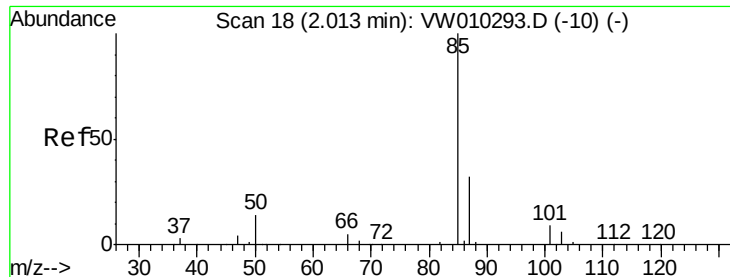
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 96.241 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW010295.D

Acq: 07 May 2019 12:14

Instrument :

MSVOA_W

ClientSampleId :

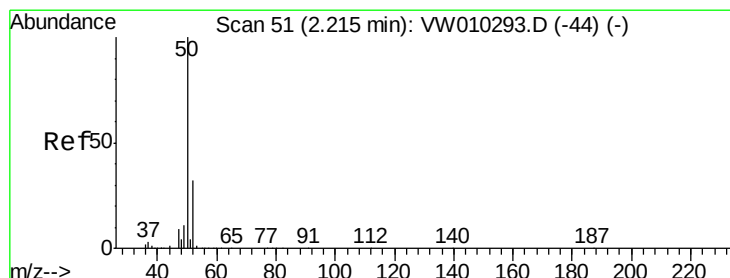
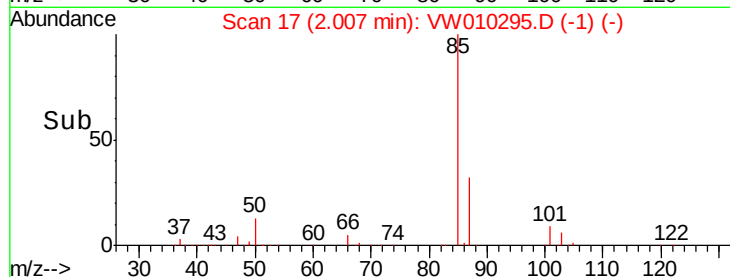
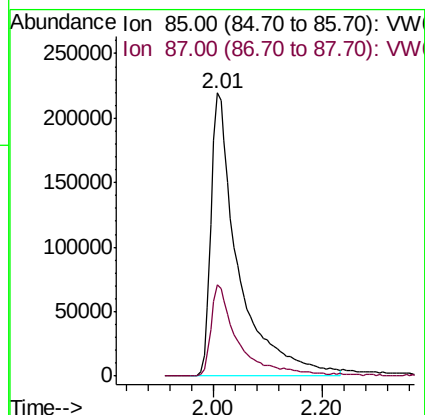
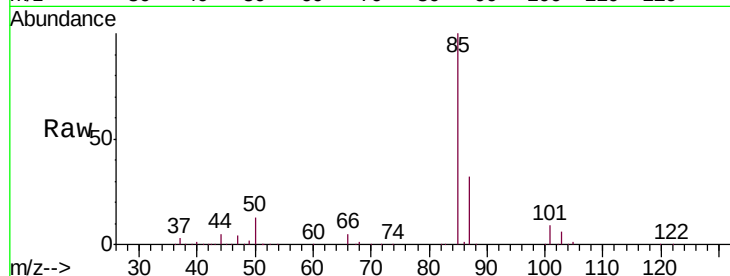
VSTD10008

Tgt Ion: 85 Resp: 768949

Ion Ratio Lower Upper

85 100

87 27.7 18.7 34.7



#3

Chloromethane

Concen: 97.324 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW010295.D

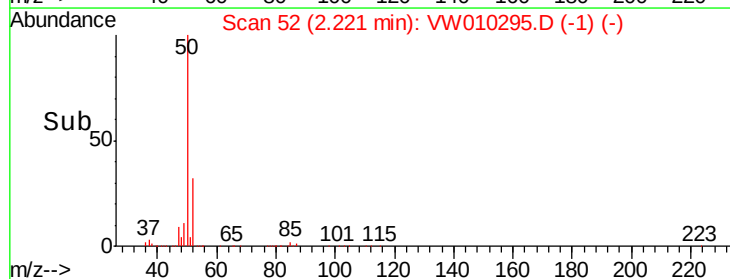
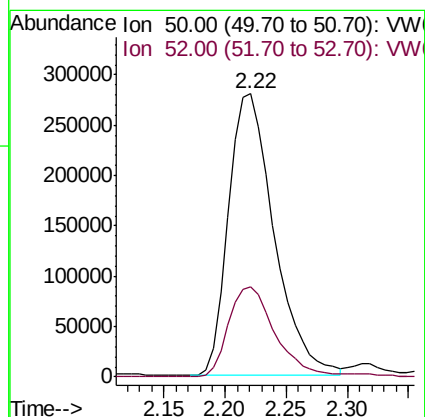
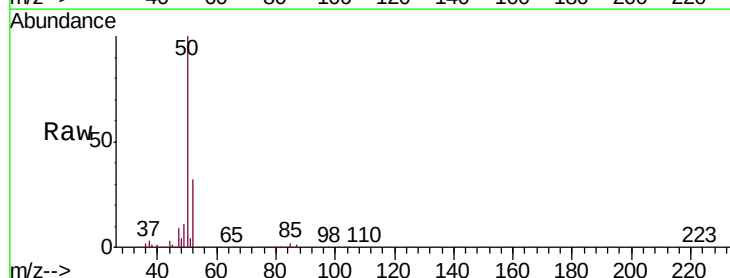
Acq: 07 May 2019 12:14

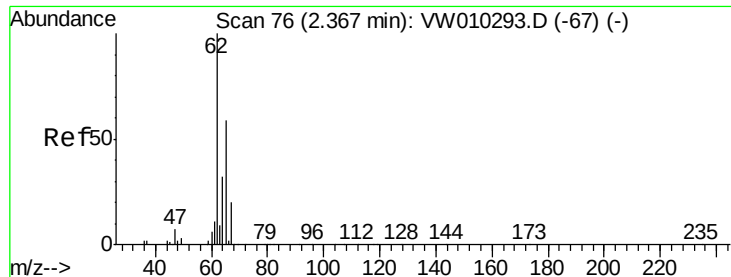
Tgt Ion: 50 Resp: 726469

Ion Ratio Lower Upper

50 100

52 31.8 22.5 41.9





#5

Vinyl chloride

Concen: 92.888 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW010295.D

Acq: 07 May 2019 12:14

Instrument :

MSVOA_W

ClientSampleId :

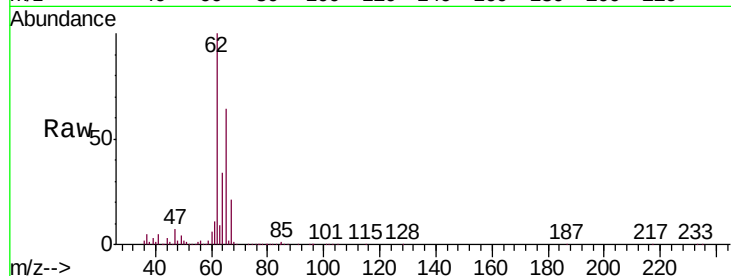
VSTD10008

Tgt Ion: 62 Resp: 811609

Ion Ratio Lower Upper

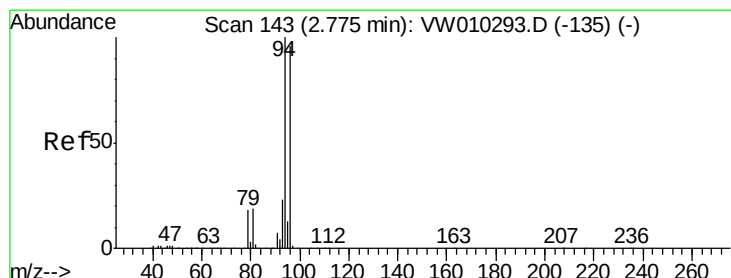
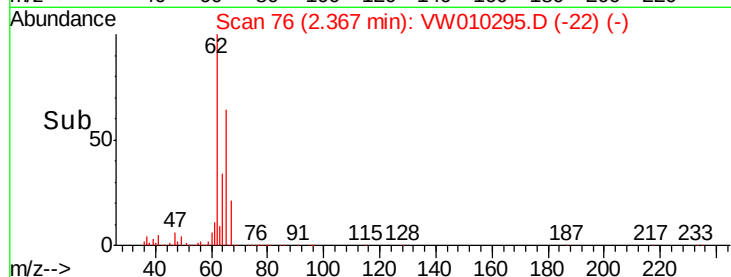
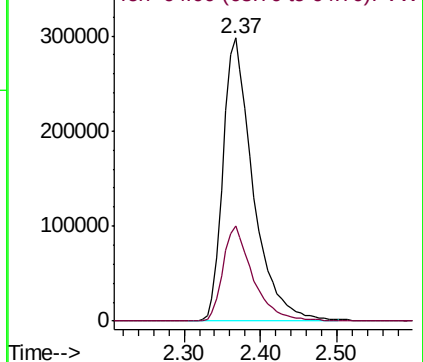
62 100

64 33.6 22.1 41.1



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 88.903 ug/L

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW010295.D

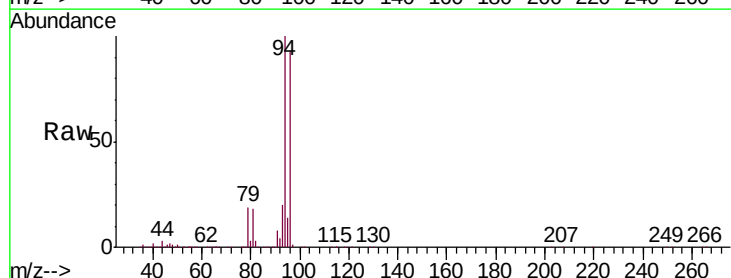
Acq: 07 May 2019 12:14

Tgt Ion: 94 Resp: 469552

Ion Ratio Lower Upper

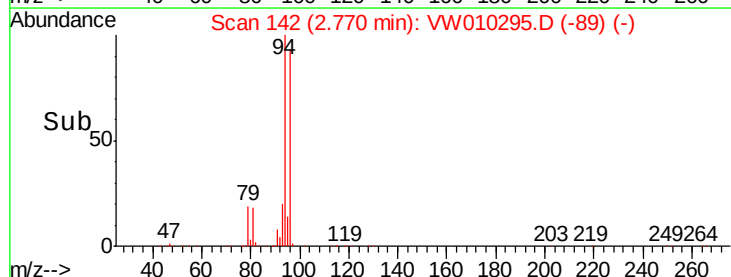
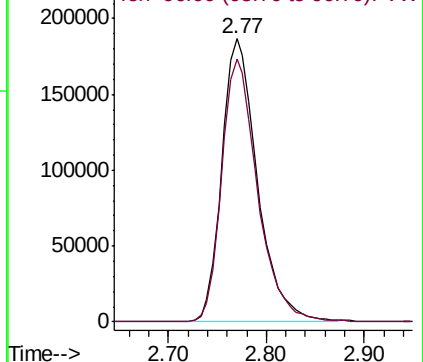
94 100

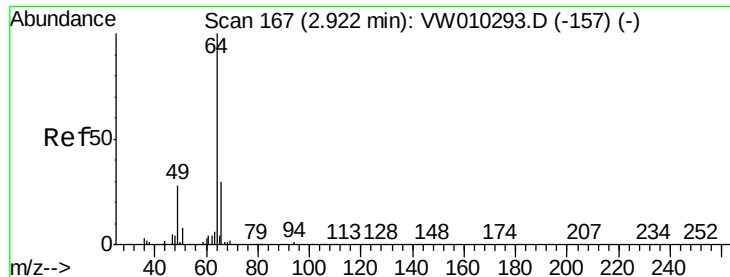
96 93.9 9.3 177.1



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 89.825 ug/L

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW010295.D

Acq: 07 May 2019 12:14

Instrument :

MSVOA_W

ClientSampleId :

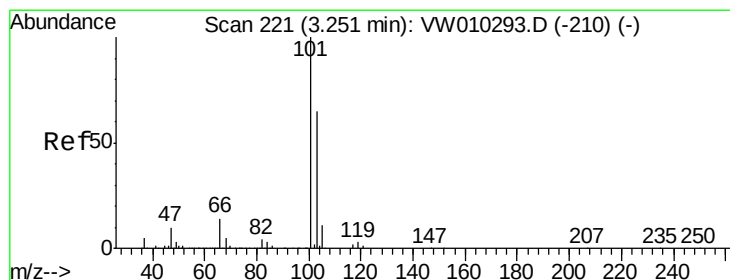
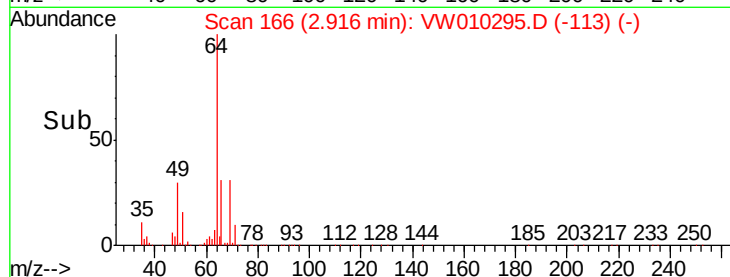
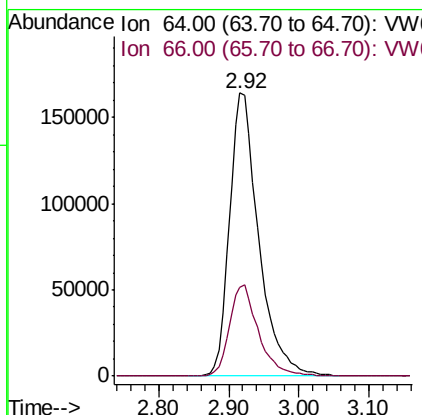
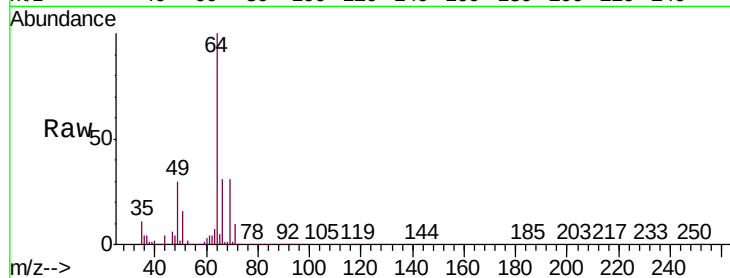
VSTD10008

Tgt Ion: 64 Resp: 475926

Ion Ratio Lower Upper

64 100

66 31.4 21.5 39.9



#9

Trichlorofluoromethane

Concen: 97.339 ug/L

RT: 3.25 min Scan# 221

Delta R.T. 0.00 min

Lab File: VW010295.D

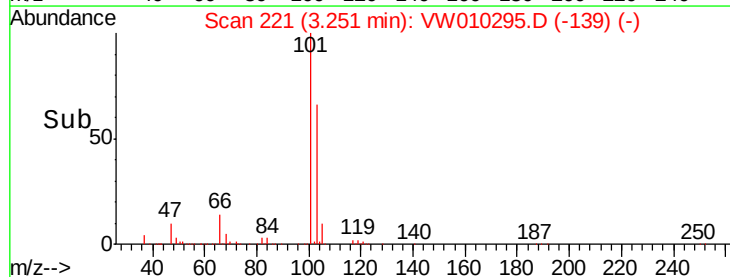
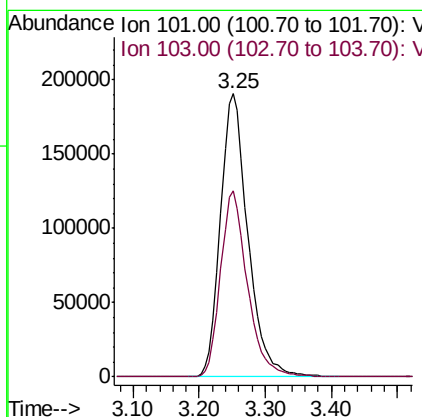
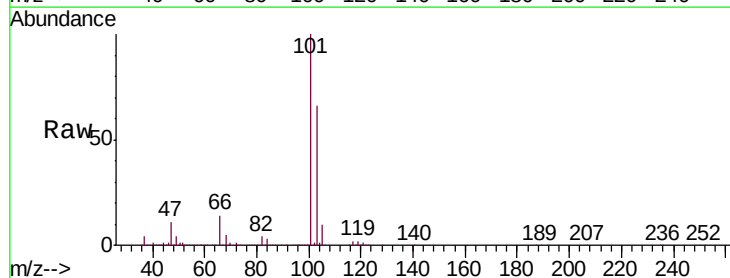
Acq: 07 May 2019 12:14

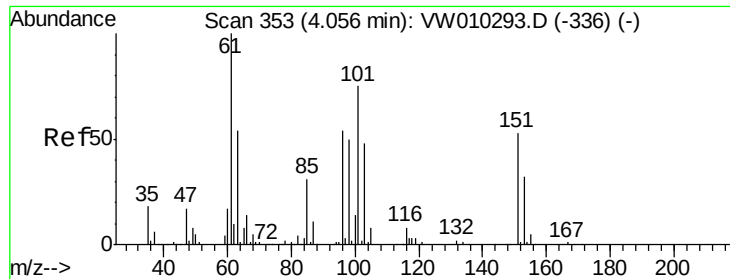
Tgt Ion: 101 Resp: 548959

Ion Ratio Lower Upper

101 100

103 64.2 45.1 83.7





#11

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

Concen: 90.779 ug/L

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW010295.D

Acq: 07 May 2019 12:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD10008

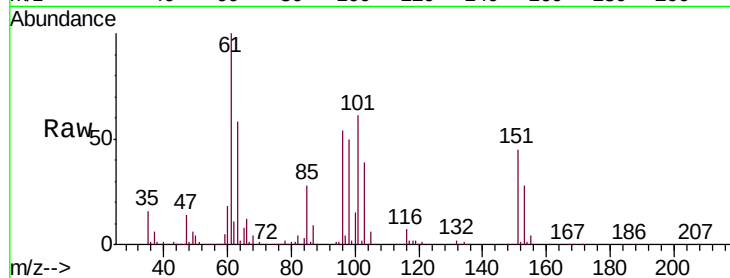
Tgt Ion:101 Resp: 726345

Ion Ratio Lower Upper

101 100

85 45.8 33.7 50.5

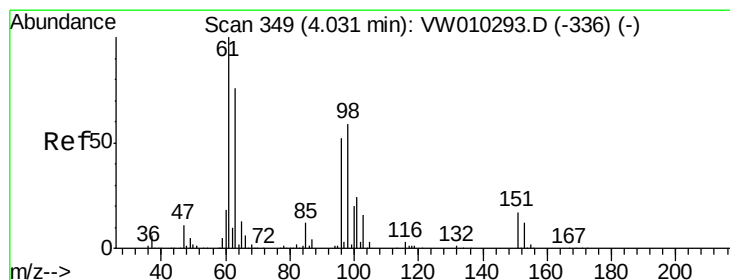
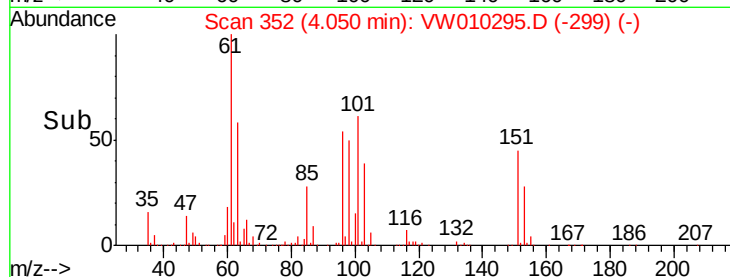
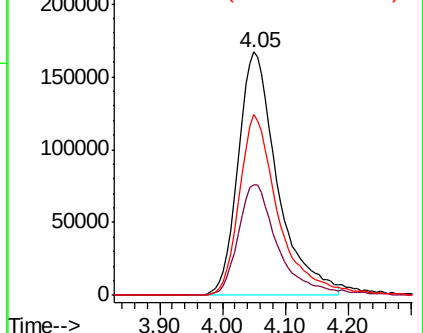
151 73.2 58.7 88.1



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: 96.172 ug/L

RT: 4.03 min Scan# 348

Delta R.T. -0.01 min

Lab File: VW010295.D

Acq: 07 May 2019 12:14

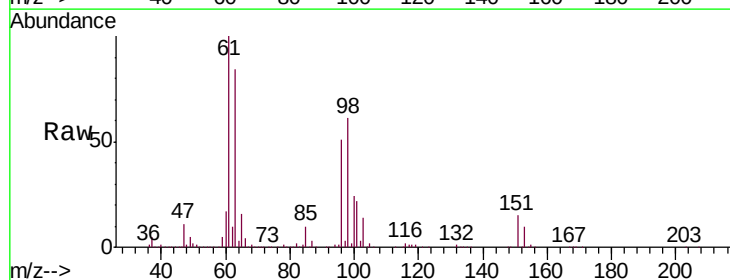
Tgt Ion: 96 Resp: 756258

Ion Ratio Lower Upper

96 100

61 194.2 135.1 250.9

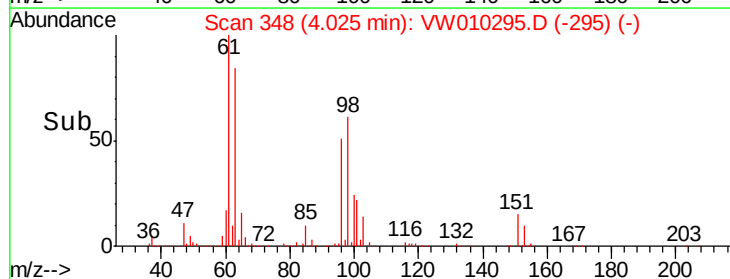
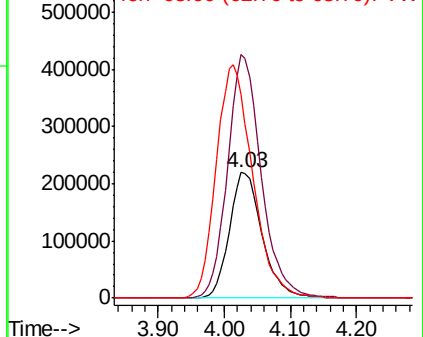
63 162.9 103.1 191.5

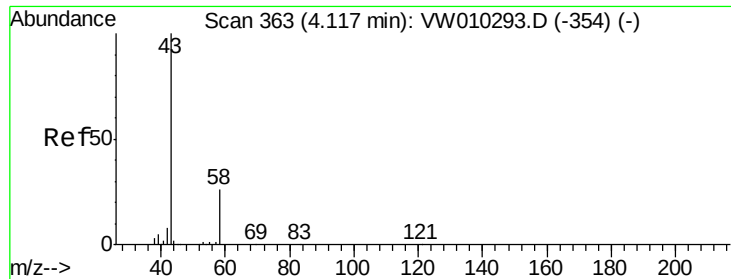


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

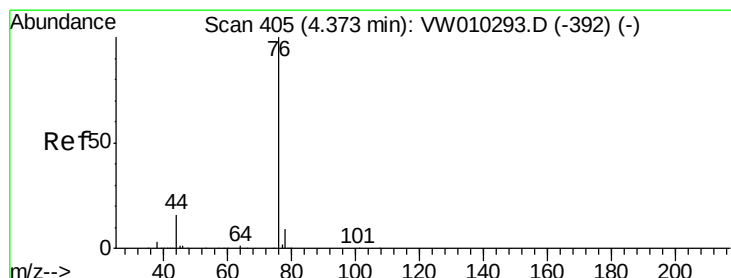
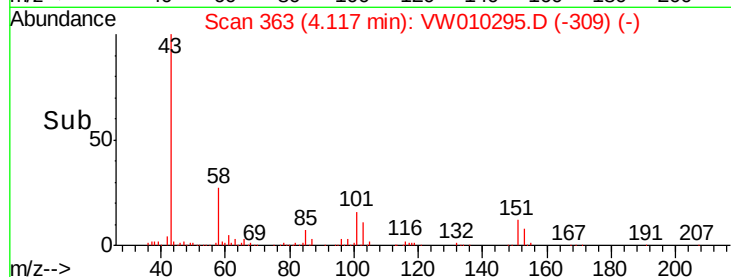
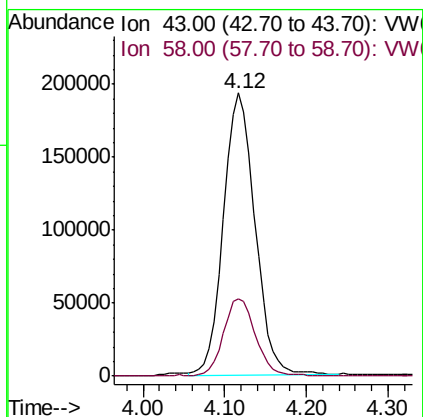
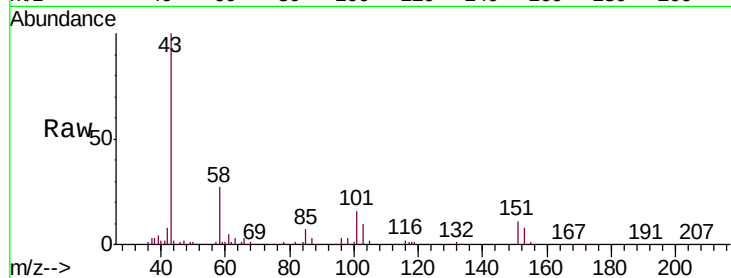




#13
Acetone
Concen: 193.115 ug/L
RT: 4.12 min Scan# 363
Delta R.T. 0.00 min
Lab File: VW010295.D
Acq: 07 May 2019 12:14

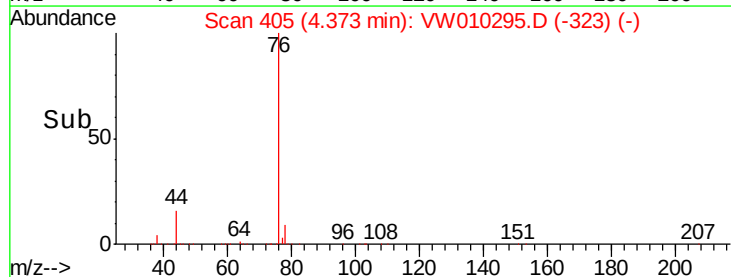
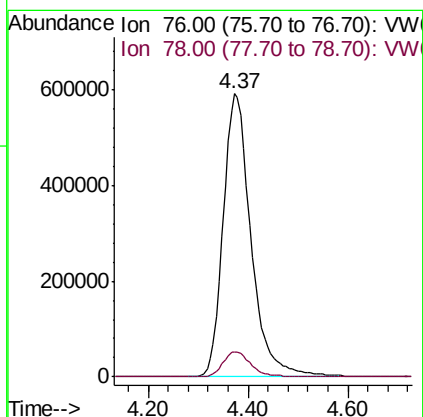
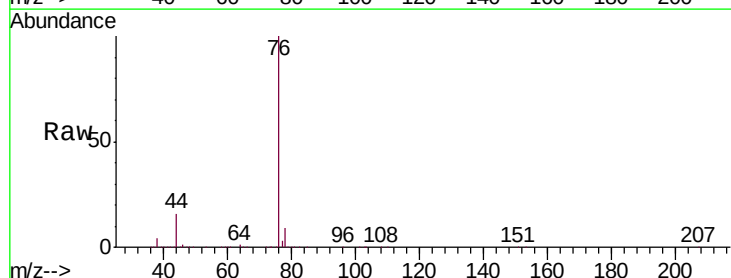
Instrument :
MSVOA_W
ClientSampleId :
VSTD10008

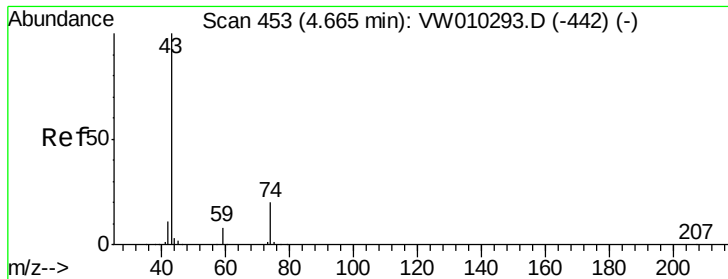
Tgt Ion: 43 Resp: 516337
Ion Ratio Lower Upper
43 100
58 27.8 0.0 55.2



#14
Carbon disulfide
Concen: 95.292 ug/L
RT: 4.37 min Scan# 405
Delta R.T. 0.00 min
Lab File: VW010295.D
Acq: 07 May 2019 12:14

Tgt Ion: 76 Resp: 2293250
Ion Ratio Lower Upper
76 100
78 8.8 7.5 11.3

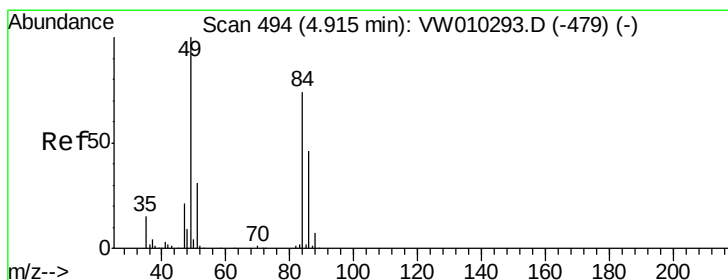
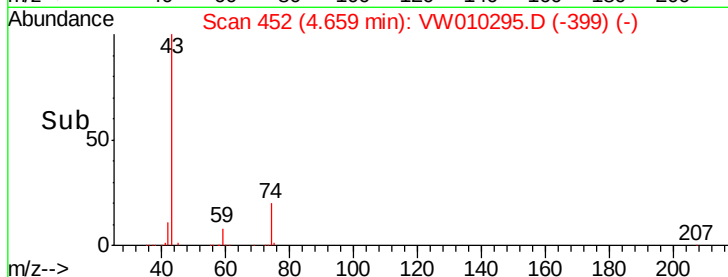
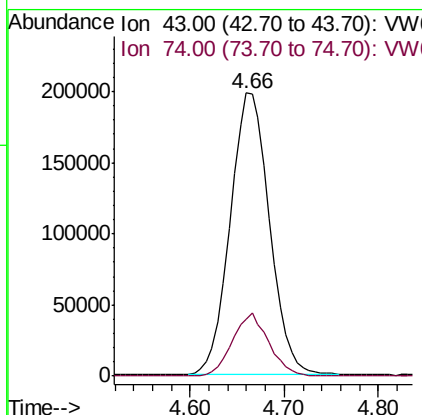
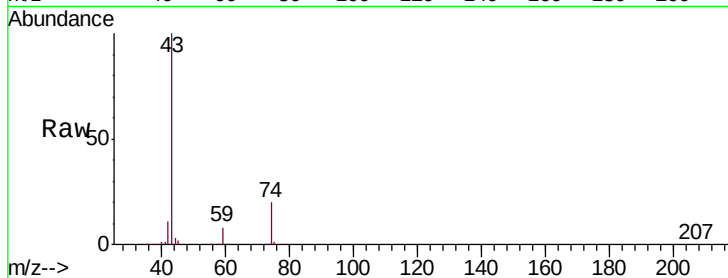




#15
Methyl Acetate
Concen: 100.766 ug/L
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW010295.D
Acq: 07 May 2019 12:14

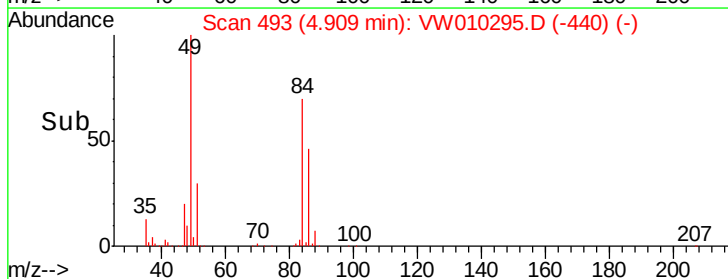
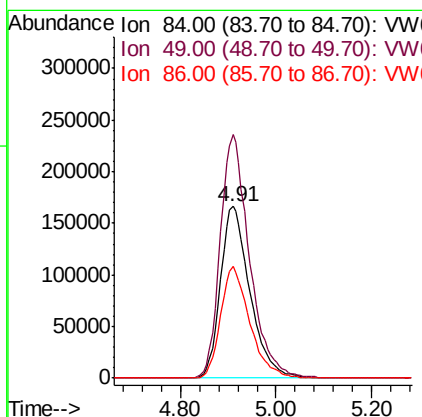
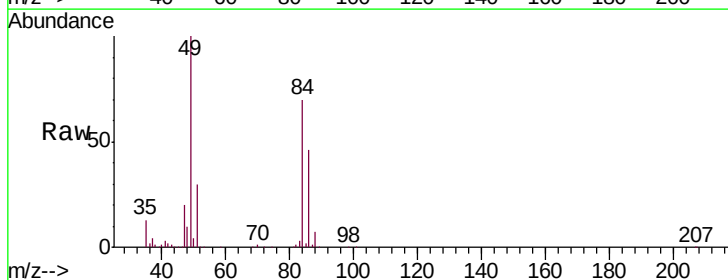
Instrument :
MSVOA_W
ClientSampleId :
VSTD10008

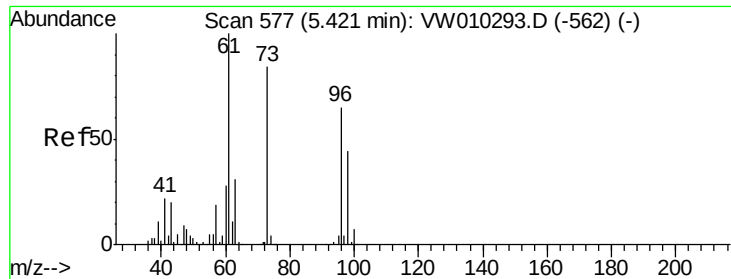
Tgt Ion: 43 Resp: 578170
Ion Ratio Lower Upper
43 100
74 20.8 16.1 24.1



#16
Methylene chloride
Concen: 88.275 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW010295.D
Acq: 07 May 2019 12:14

Tgt Ion: 84 Resp: 710006
Ion Ratio Lower Upper
84 100
49 142.0 94.4 175.4
86 65.1 43.8 81.4

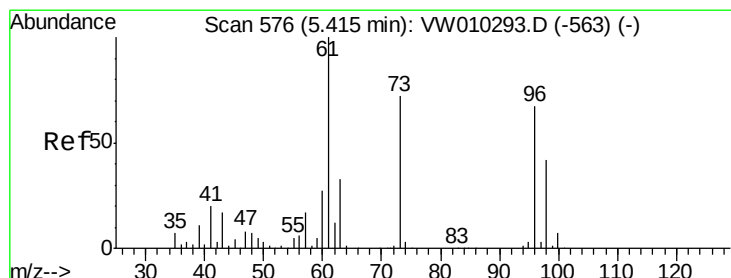
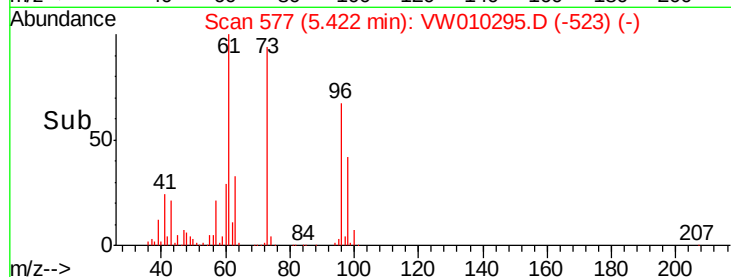
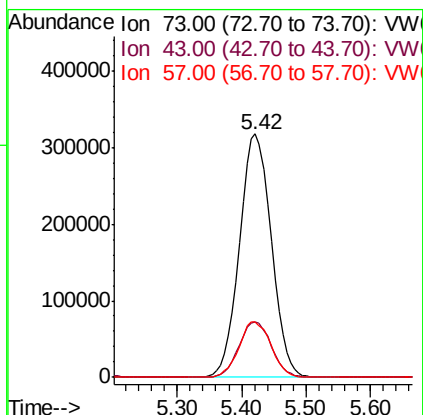
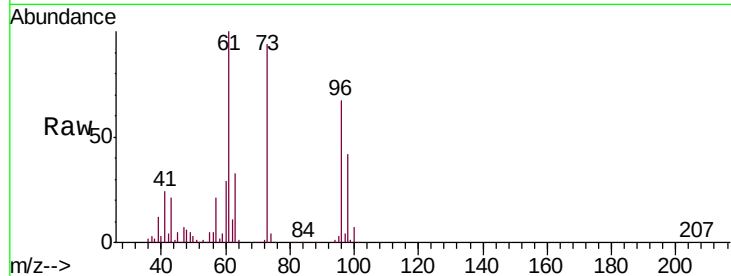




#17
Methyl tert-butyl Ether
Concen: 105.243 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW010295.D
Acq: 07 May 2019 12:14

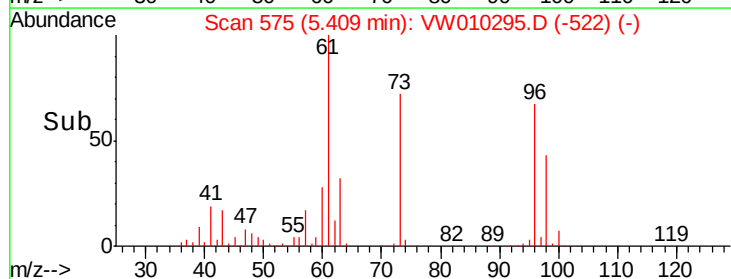
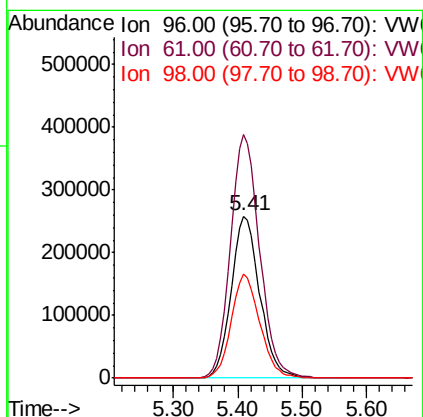
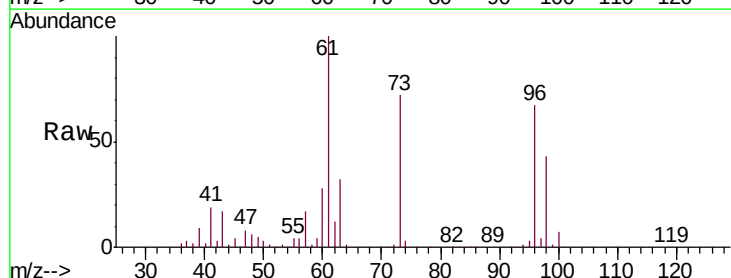
Instrument :
MSVOA_W
ClientSampleId :
VSTD10008

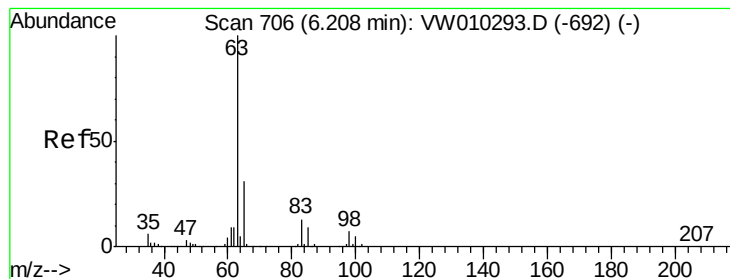
Tgt Ion: 73 Resp: 1084714
Ion Ratio Lower Upper
73 100
43 23.0 19.5 29.3
57 23.1 18.9 28.3



#18
trans-1,2-Dichloroethene
Concen: 98.507 ug/L
RT: 5.41 min Scan# 575
Delta R.T. -0.01 min
Lab File: VW010295.D
Acq: 07 May 2019 12:14

Tgt Ion: 96 Resp: 799071
Ion Ratio Lower Upper
96 100
61 150.2 103.7 192.7
98 64.2 43.6 81.0





#19

1,1-Dichloroethane

Concen: 97.711 ug/L

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW010295.D

Acq: 07 May 2019 12:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD10008

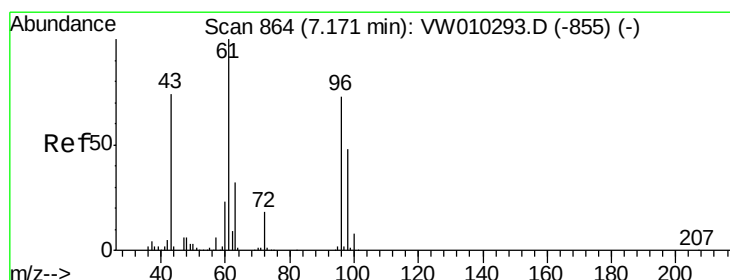
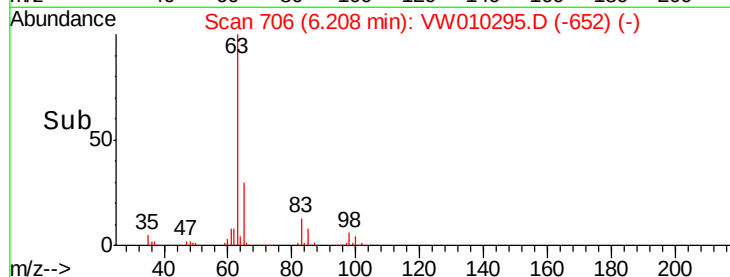
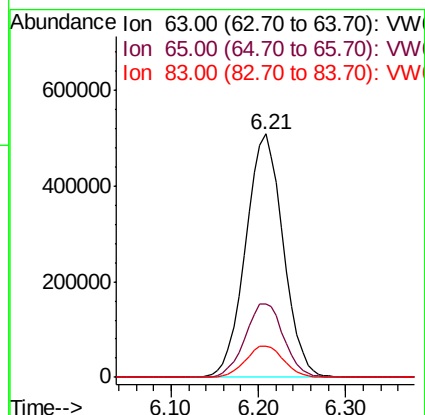
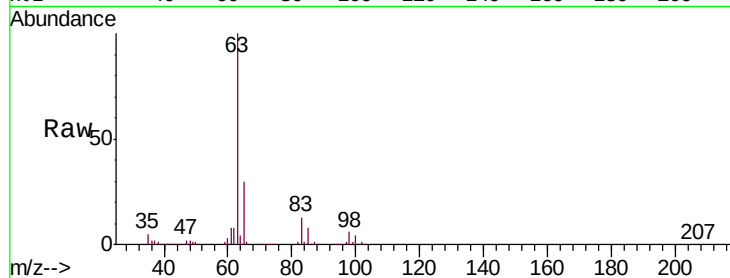
Tgt Ion: 63 Resp: 1519285

Ion Ratio Lower Upper

63 100

65 30.4 21.8 40.4

83 13.0 9.2 17.2



#21

2-Butanone

Concen: 233.645 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010295.D

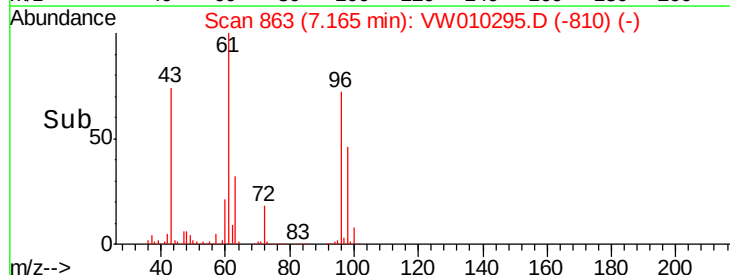
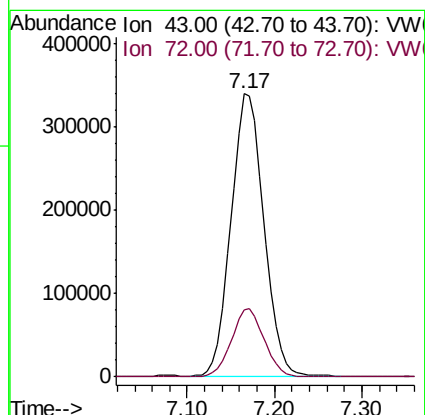
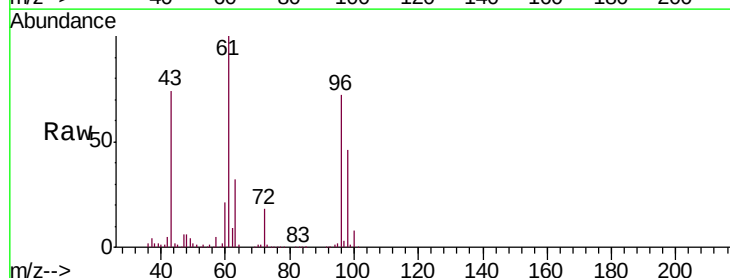
Acq: 07 May 2019 12:14

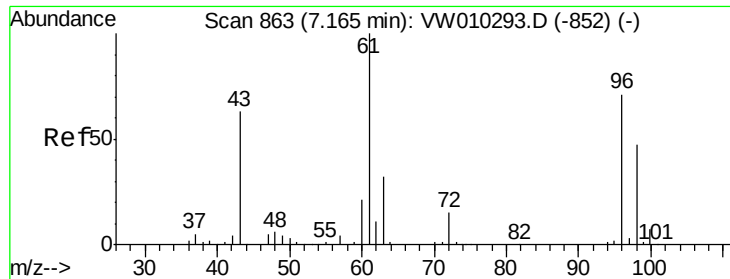
Tgt Ion: 43 Resp: 893645

Ion Ratio Lower Upper

43 100

72 23.8 11.7 35.1



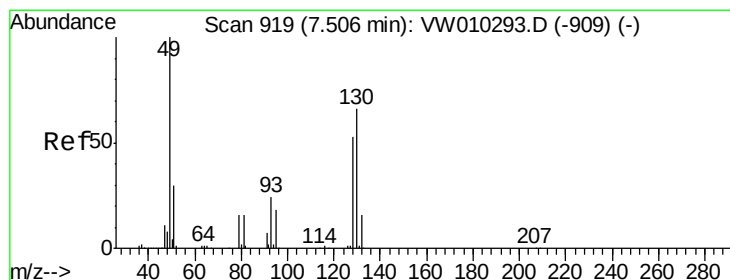
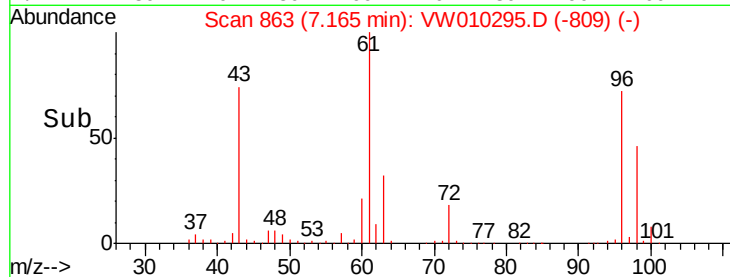
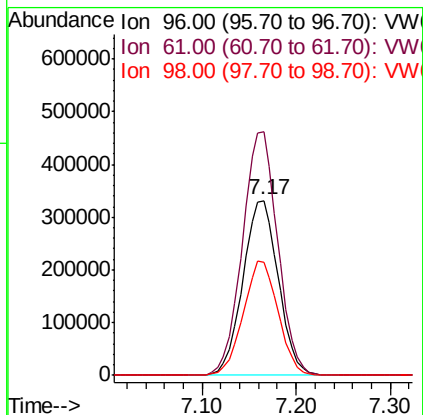
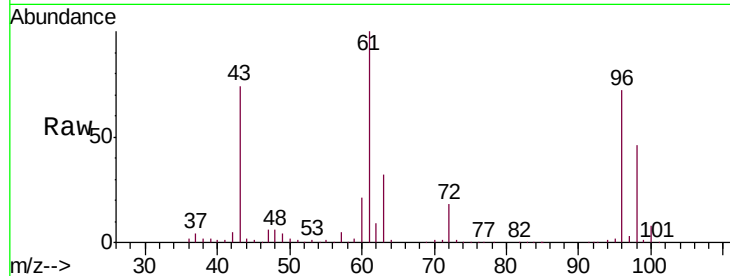


#22

cis-1,2-Dichloroethene
 Concen: 104.377 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW010295.D
 Acq: 07 May 2019 12:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10008

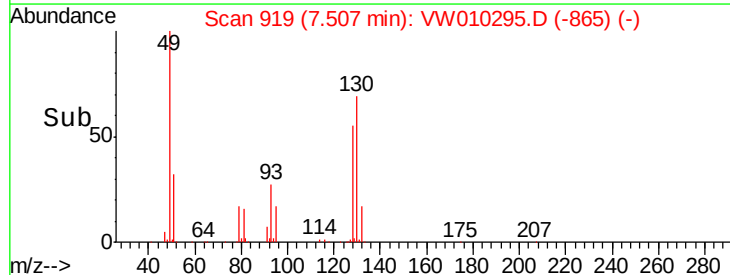
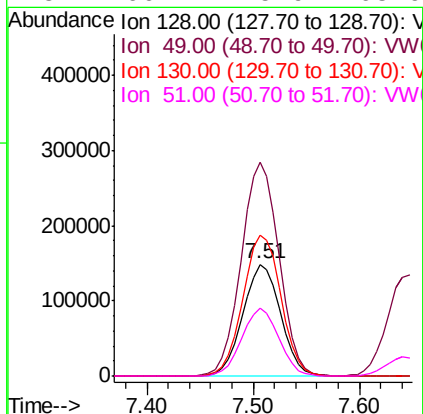
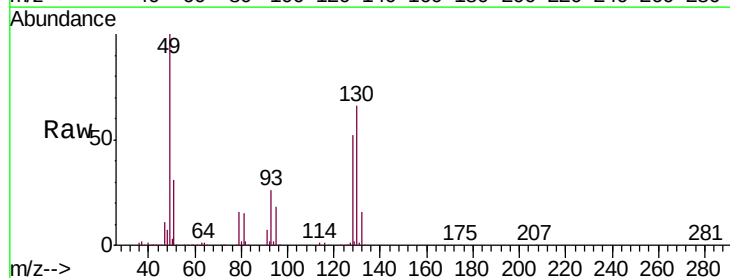
Tgt Ion: 96 Resp: 874297
 Ion Ratio Lower Upper
 96 100
 61 139.2 98.2 182.4
 98 64.6 45.8 85.2

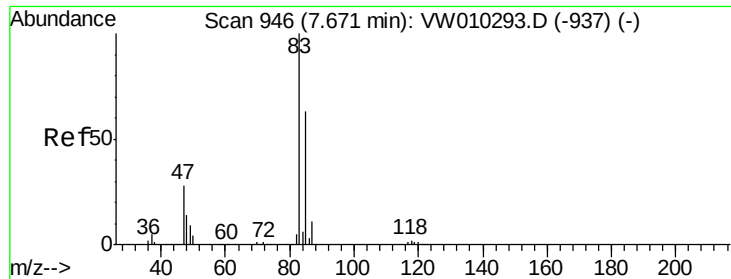


#23

Bromochloromethane
 Concen: 97.969 ug/L
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW010295.D
 Acq: 07 May 2019 12:14

Tgt Ion: 128 Resp: 368174
 Ion Ratio Lower Upper
 128 100
 49 191.3 132.5 246.1
 130 125.9 86.7 161.1
 51 60.2 45.9 68.9

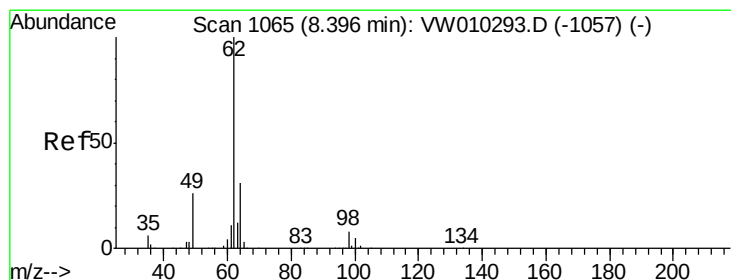
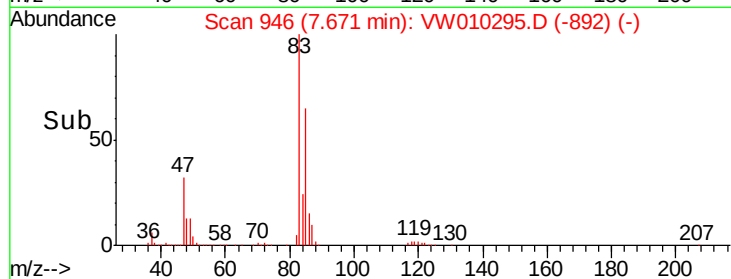
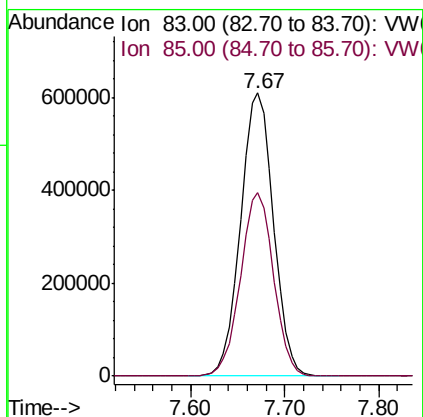
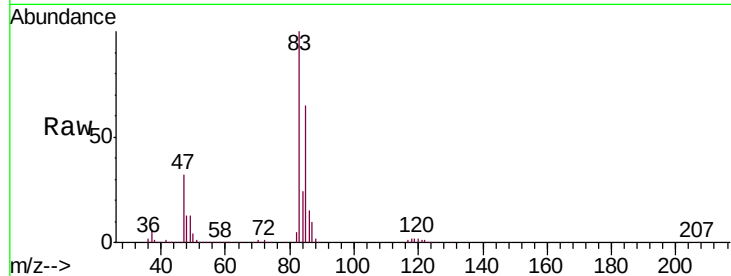




#25
Chloroform
Concen: 96.926 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW010295.D
Acq: 07 May 2019 12:14

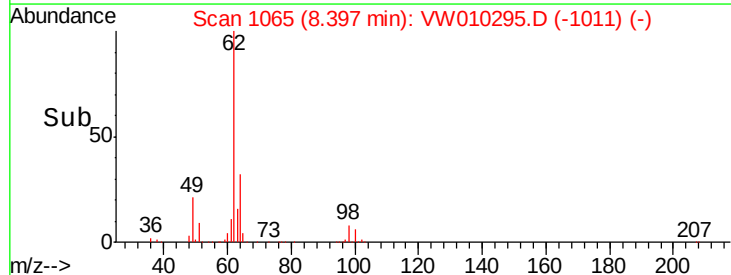
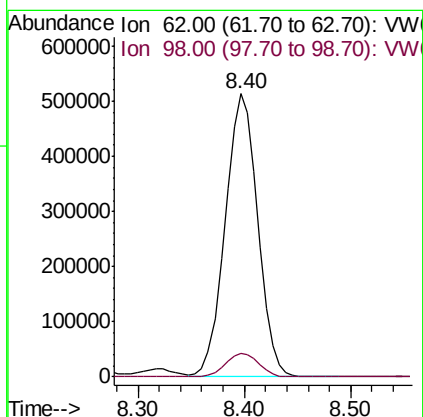
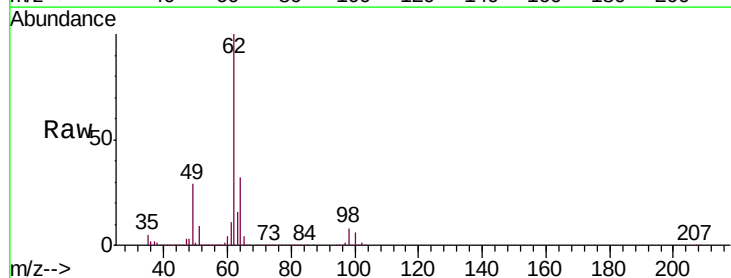
Instrument :
MSVOA_W
ClientSampleId :
VSTD10008

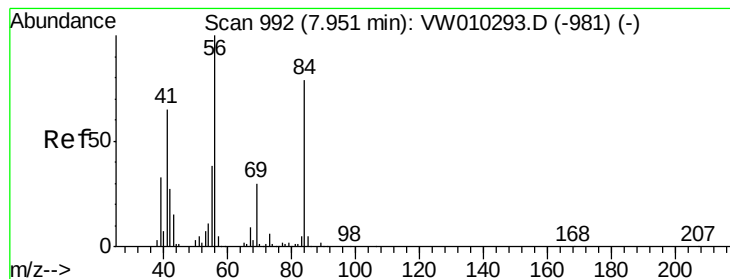
Tgt Ion: 83 Resp: 1488296
Ion Ratio Lower Upper
83 100
85 65.4 45.8 85.0



#27
1,2-Dichloroethane
Concen: 97.228 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW010295.D
Acq: 07 May 2019 12:14

Tgt Ion: 62 Resp: 1095690
Ion Ratio Lower Upper
62 100
98 8.5 6.2 9.4





#30

Cyclohexane

Concen: 110.050 ug/L

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW010295.D

Acq: 07 May 2019 12:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD10008

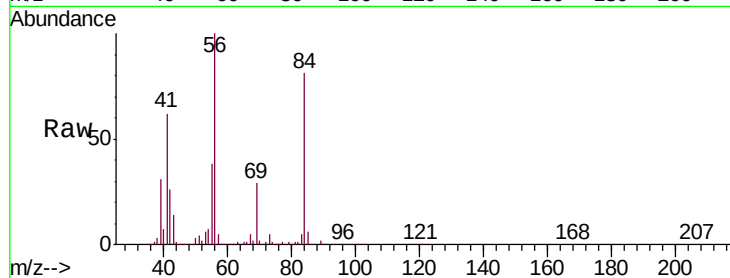
Tgt Ion: 56 Resp: 1533265

Ion Ratio Lower Upper

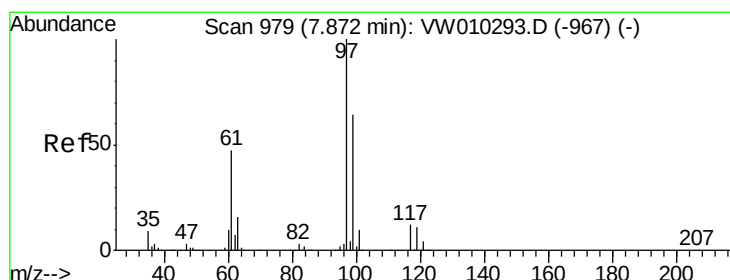
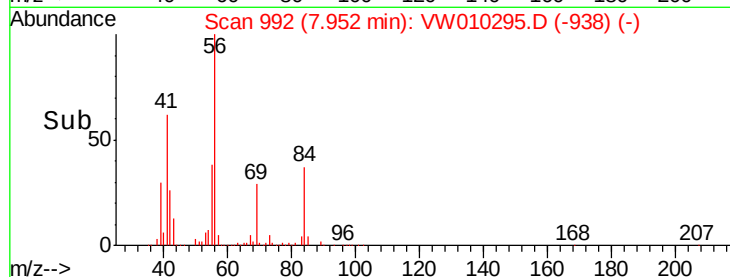
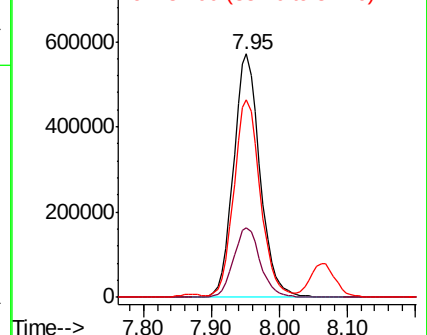
56 100

69 29.0 23.6 35.4

84 81.7 65.8 98.8



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#31

1,1,1-Trichloroethane

Concen: 94.587 ug/L

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW010295.D

Acq: 07 May 2019 12:14

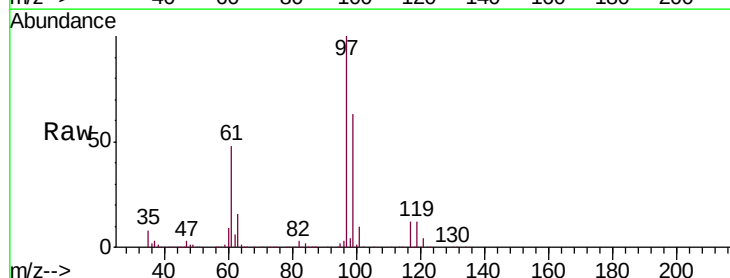
Tgt Ion: 97 Resp: 1160646

Ion Ratio Lower Upper

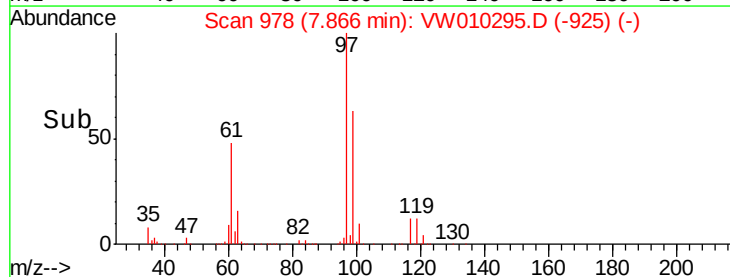
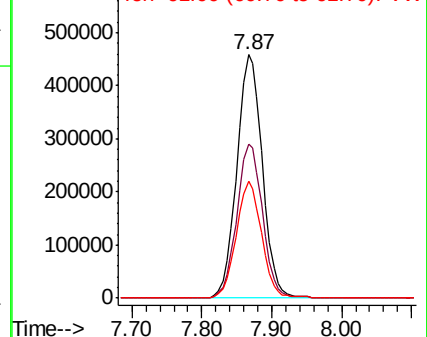
97 100

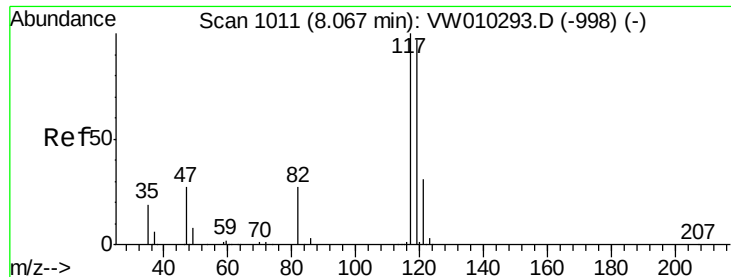
99 64.0 51.8 77.6

61 47.8 39.3 58.9



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 98.217 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW010295.D

Acq: 07 May 2019 12:14

Instrument :

MSVOA_W

ClientSampleId :

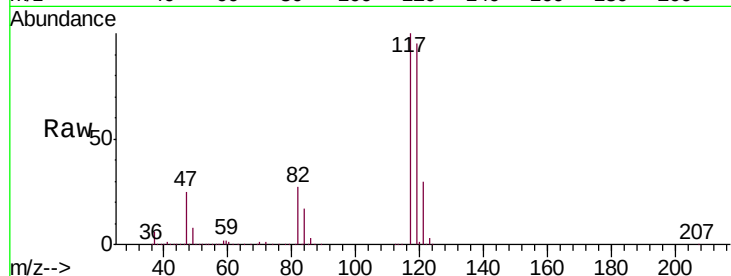
VSTD10008

Tgt Ion:117 Resp: 1197821

Ion Ratio Lower Upper

117 100

119 96.0 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.06

500000

400000

300000

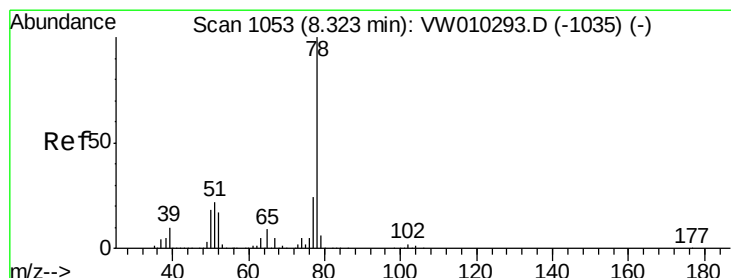
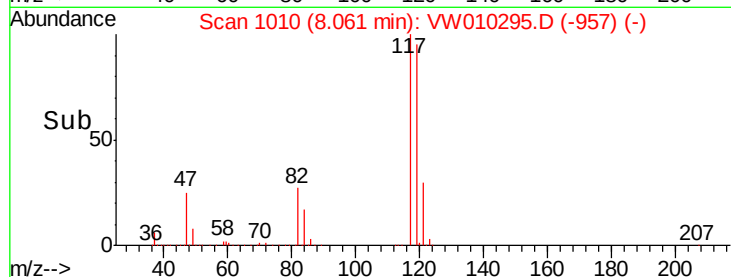
200000

100000

0

Time-->

7.90 8.00 8.10 8.20



#34

Benzene

Concen: 99.623 ug/L

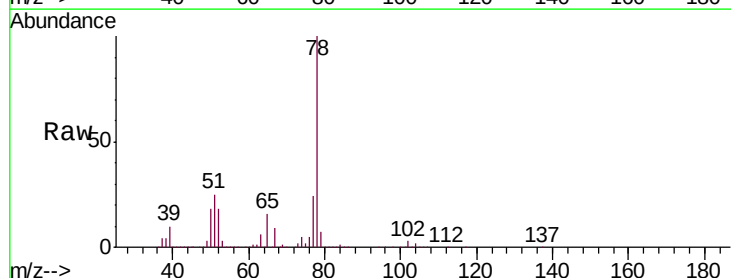
RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VW010295.D

Acq: 07 May 2019 12:14

Tgt Ion: 78 Resp: 3294800



Abundance Ion 78.00 (77.70 to 78.70): VW

1500000

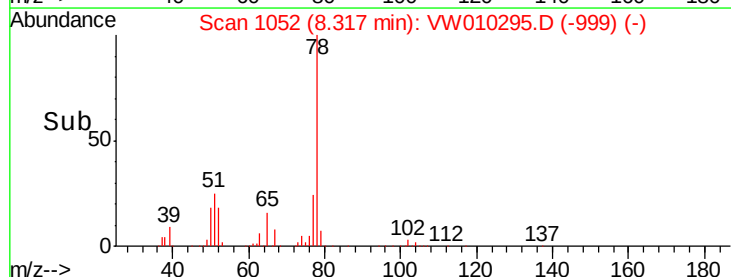
1000000

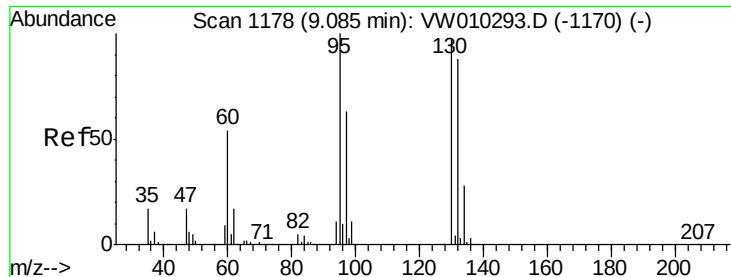
500000

0

Time-->

8.20 8.30 8.40 8.50





#35

Trichloroethene

Concen: 99.109 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VW010295.D

Acq: 07 May 2019 12:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD10008

Tgt Ion: 95 Resp: 866064

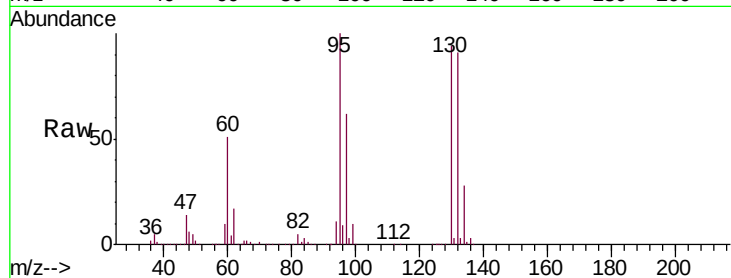
Ion Ratio Lower Upper

95 100

97 63.8 44.8 83.2

132 93.1 64.7 120.1

130 97.9 68.3 126.9

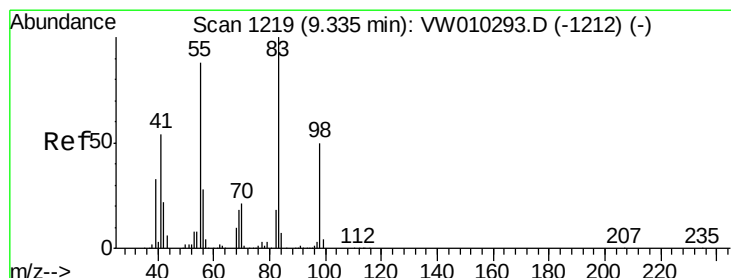
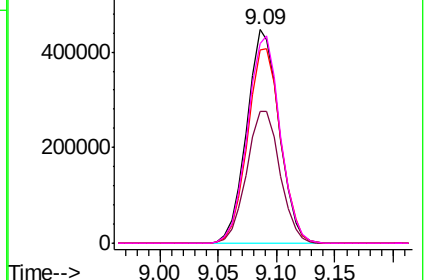
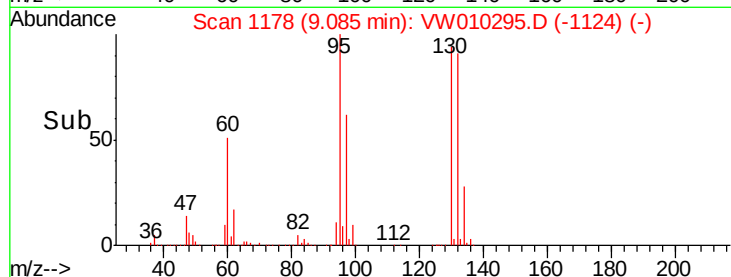


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 106.752 ug/L

RT: 9.33 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VW010295.D

Acq: 07 May 2019 12:14

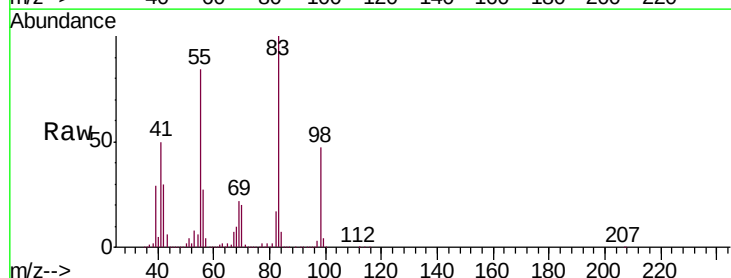
Tgt Ion: 83 Resp: 1575704

Ion Ratio Lower Upper

83 100

55 83.5 67.2 100.8

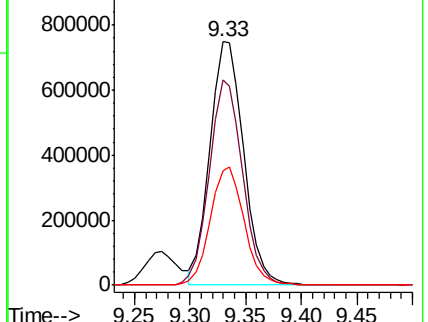
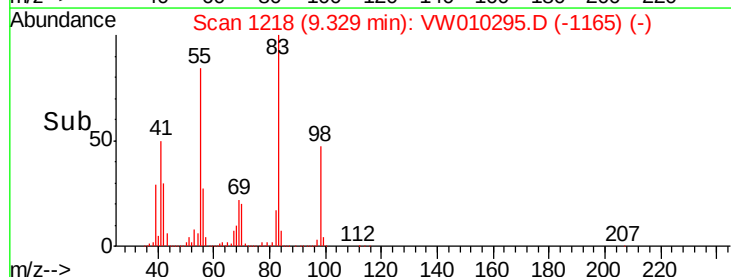
98 48.6 38.7 58.1

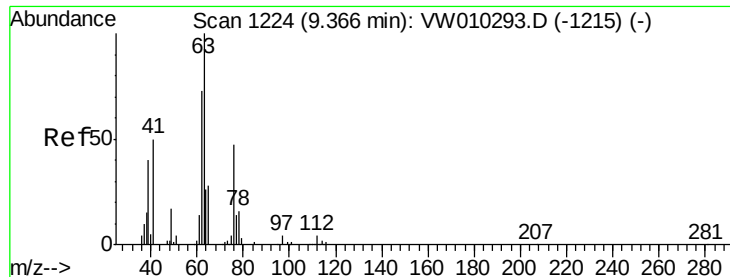


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 97.976 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW010295.D

Acq: 07 May 2019 12:14

Instrument :

MSVOA_W

ClientSampleId :

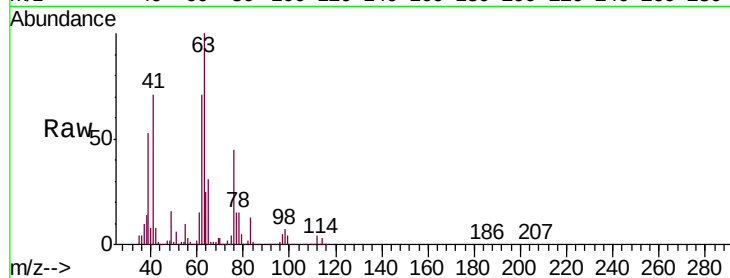
VSTD10008

Tgt Ion: 63 Resp: 826881

Ion Ratio Lower Upper

63 100

112 4.2 3.2 4.8



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V

500000

400000

300000

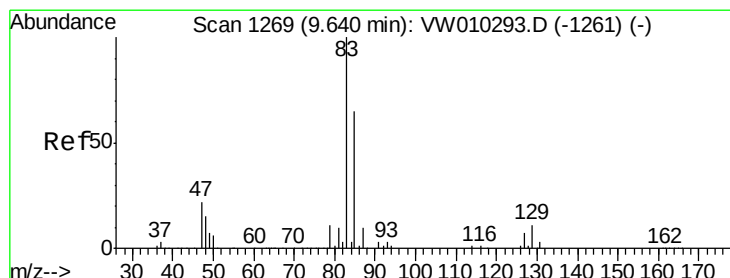
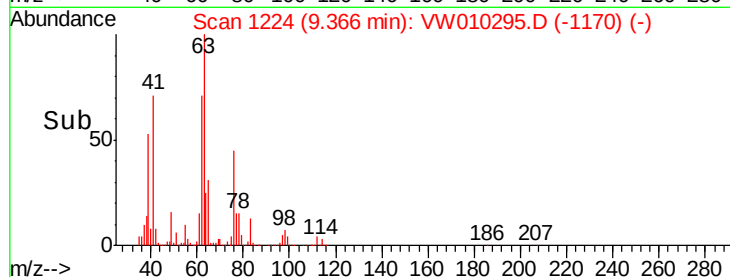
200000

100000

0

9.30 9.35 9.40 9.45

Time-->



#41

Bromodichloromethane

Concen: 100.801 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW010295.D

Acq: 07 May 2019 12:14

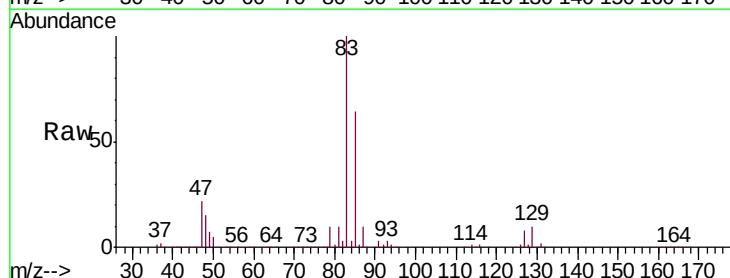
Tgt Ion: 83 Resp: 1100854

Ion Ratio Lower Upper

83 100

85 64.4 45.5 84.5

127 8.2 5.6 8.4



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V

800000

600000

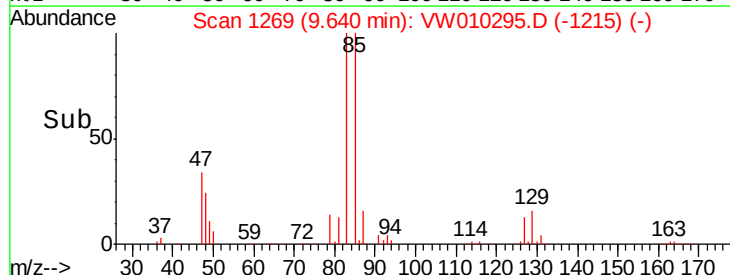
400000

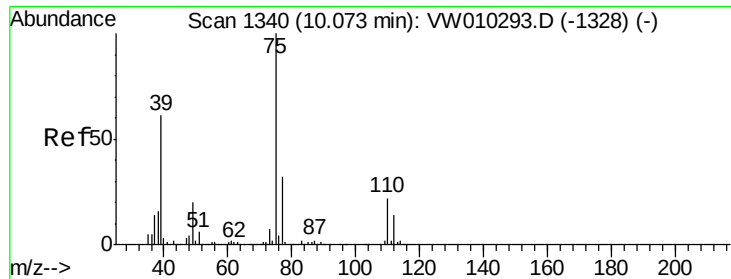
200000

0

9.55 9.60 9.65 9.70 9.75

Time-->

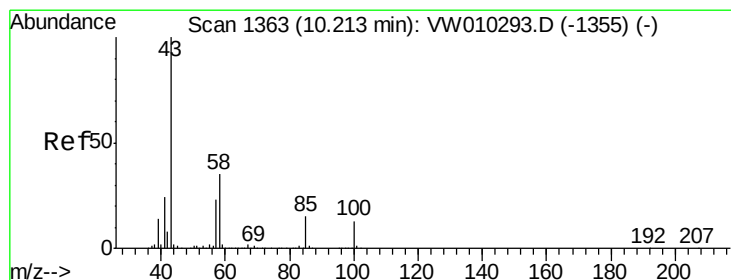
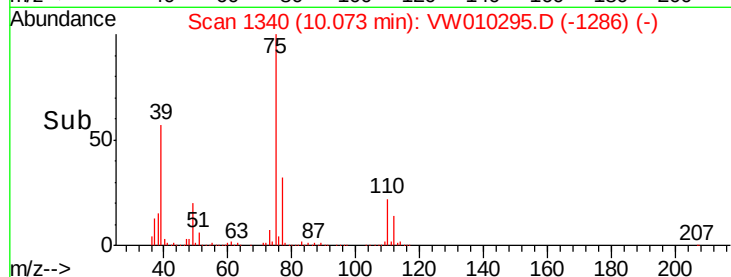
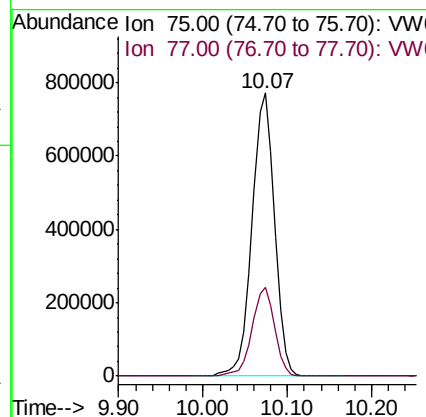
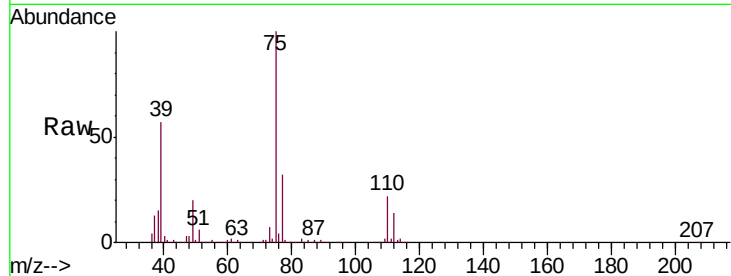




#42
 cis-1,3-Dichloropropene
 Concen: 109.277 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW010295.D
 Acq: 07 May 2019 12:14

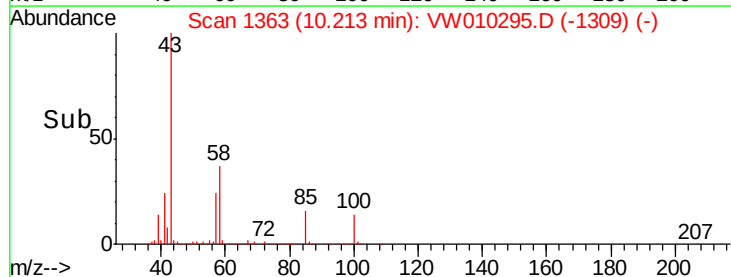
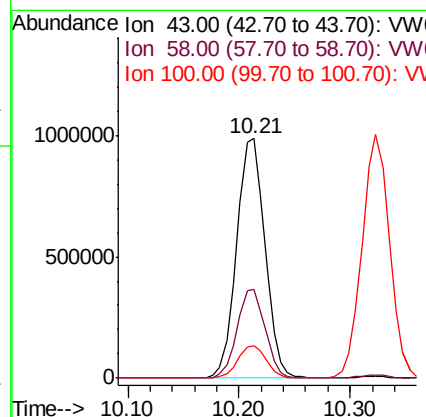
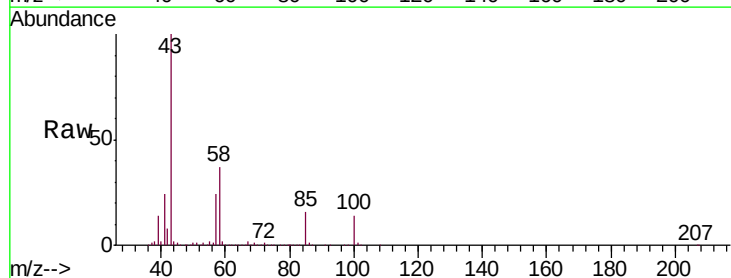
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10008

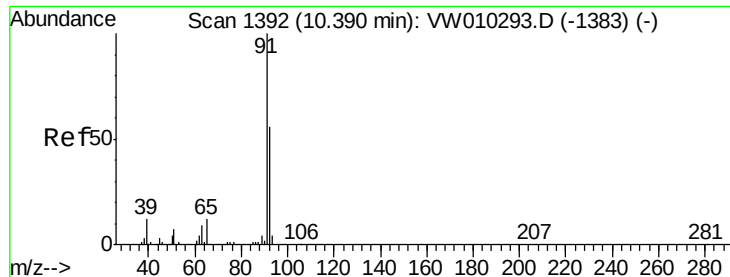
Tgt Ion: 75 Resp: 1380040
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.5 41.7



#43
 4-Methyl-2-pentanone
 Concen: 231.573 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW010295.D
 Acq: 07 May 2019 12:14

Tgt Ion: 43 Resp: 1741051
 Ion Ratio Lower Upper
 43 100
 58 36.5 28.3 42.5
 100 13.5 10.5 15.7





#44

Toluene

Concen: 101.383 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW010295.D

Acq: 07 May 2019 12:14

Instrument :

MSVOA_W

ClientSampleId :

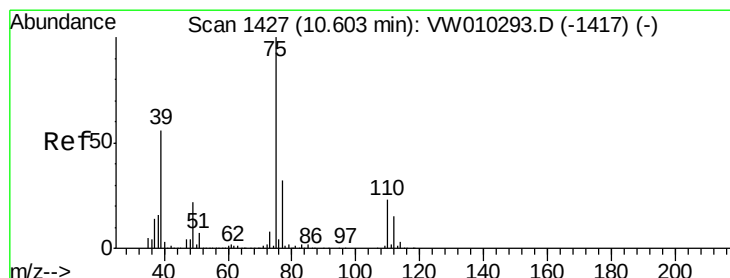
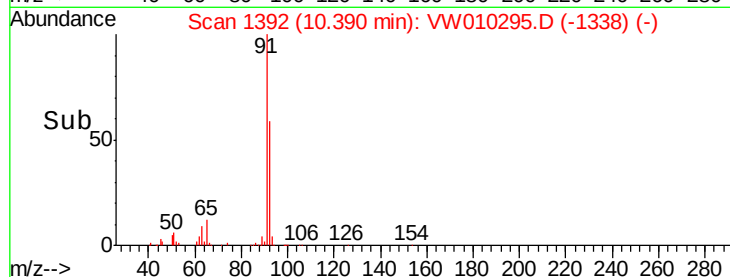
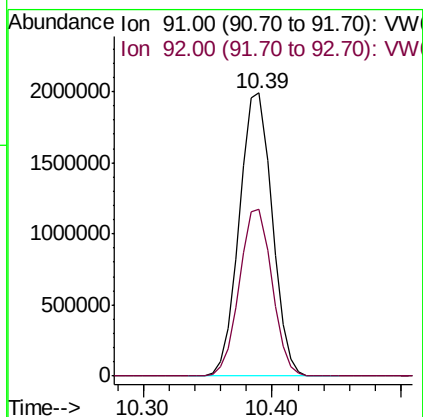
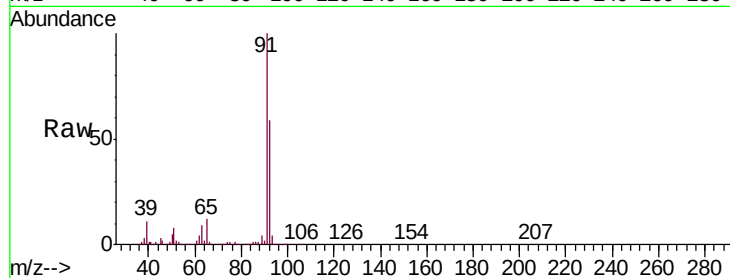
VSTD10008

Tgt Ion: 91 Resp: 3511627

Ion Ratio Lower Upper

91 100

92 58.8 39.5 73.4



#45

trans-1,3-Dichloropropene

Concen: 108.790 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010295.D

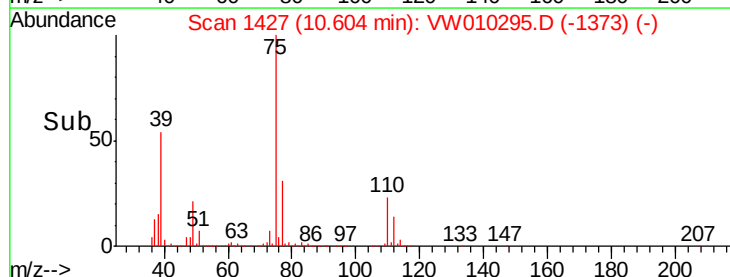
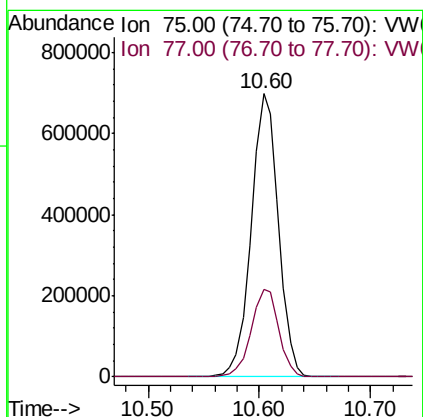
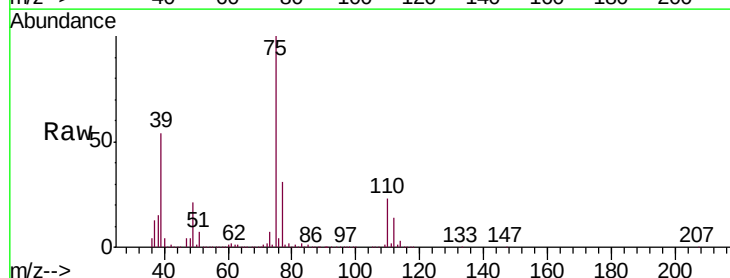
Acq: 07 May 2019 12:14

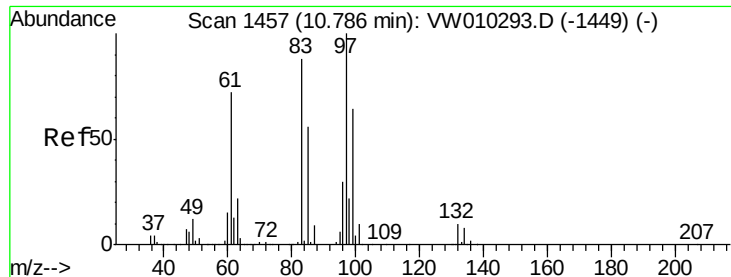
Tgt Ion: 75 Resp: 1184665

Ion Ratio Lower Upper

75 100

77 31.0 22.1 41.1





#46

1,1,2-Trichloroethane

Concen: 99.682 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW010295.D

Acq: 07 May 2019 12:14

Instrument :

MSVOA_W

ClientSampled :

VSTD10008

Tgt Ion: 97 Resp: 628358

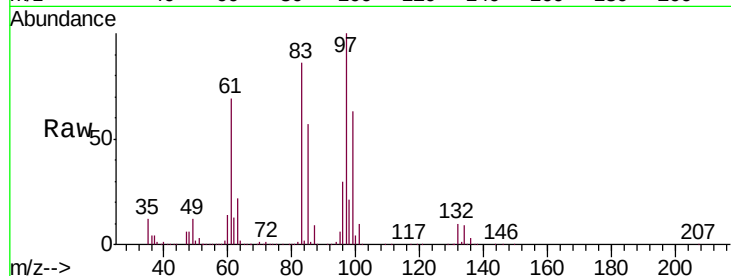
Ion Ratio Lower Upper

97 100

83 86.2 61.2 113.8

85 56.6 39.3 72.9

99 62.8 44.7 82.9



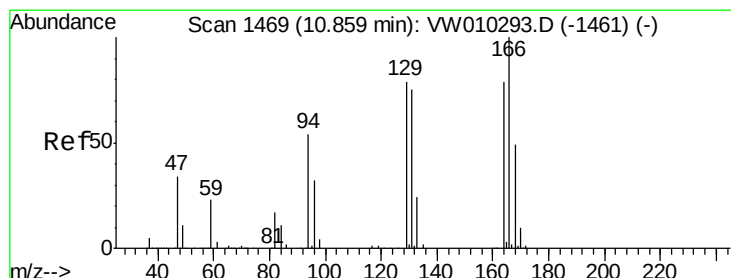
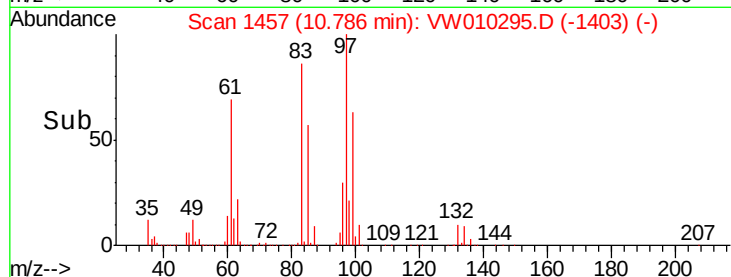
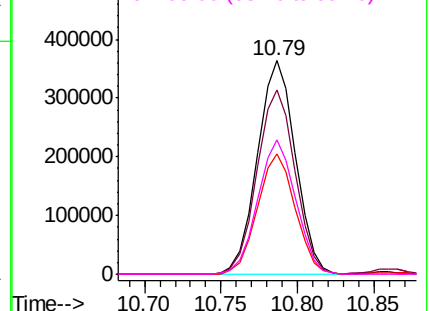
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 100.412 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW010295.D

Acq: 07 May 2019 12:14

Tgt Ion: 164 Resp: 663441

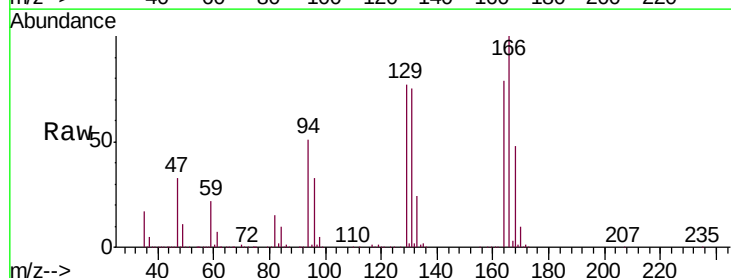
Ion Ratio Lower Upper

164 100

129 97.6 70.1 130.3

131 94.8 66.2 123.0

166 126.2 88.8 164.8



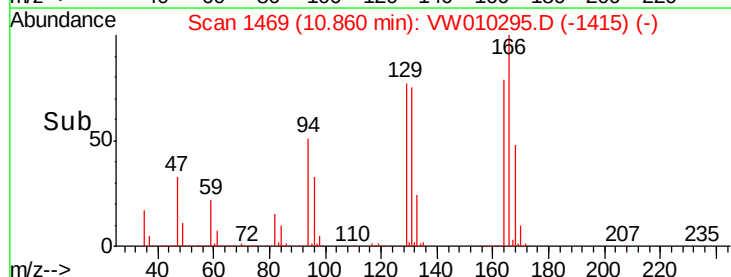
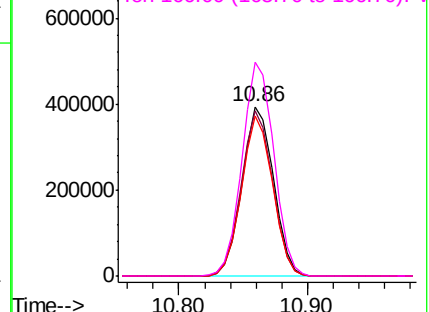
Abundance

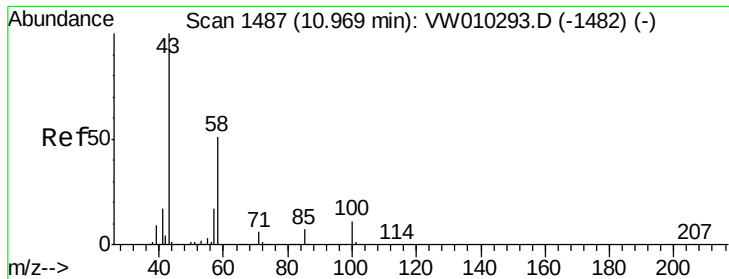
Ion 164.00 (163.70 to 164.70): V

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

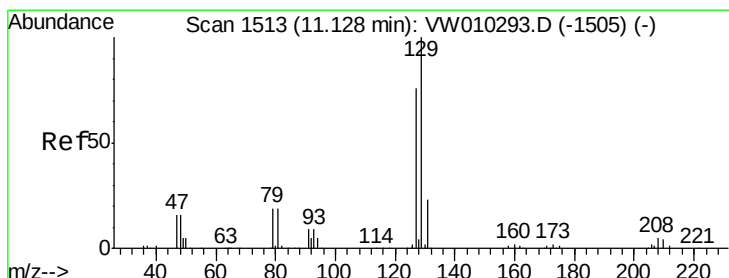
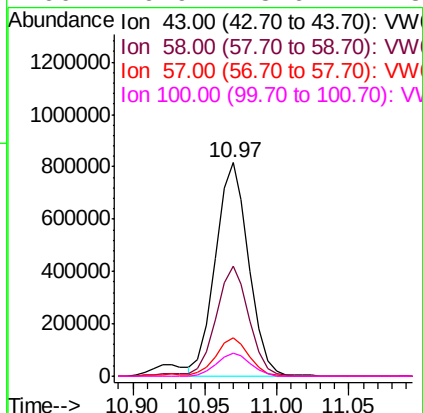
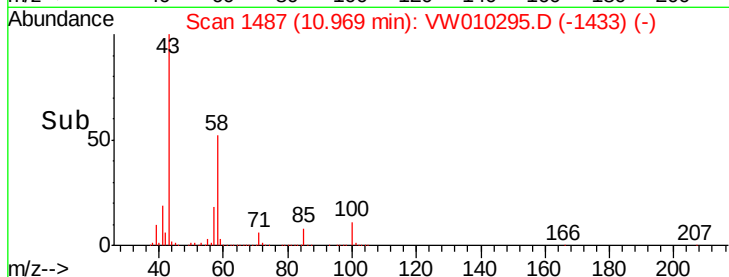
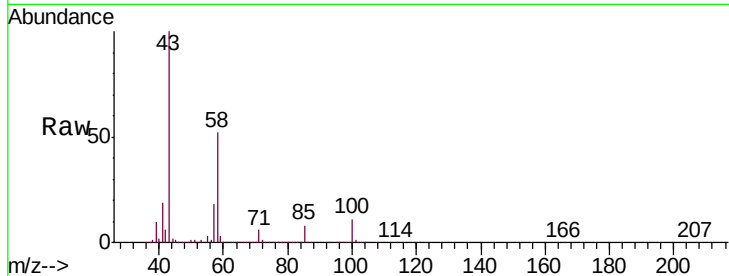




#49
2-Hexanone
Concen: 230.828 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010295.D
Acq: 07 May 2019 12:14

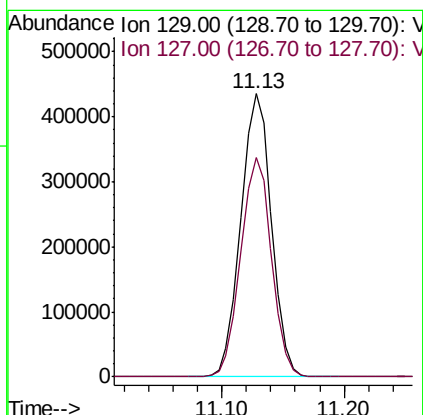
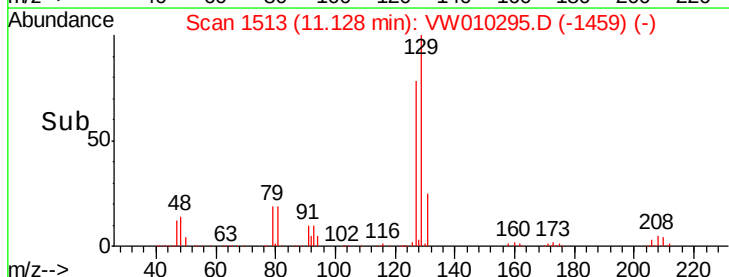
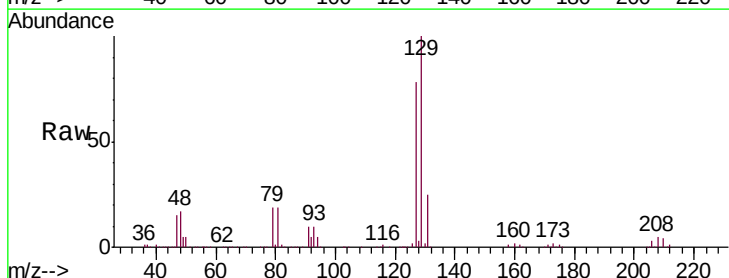
Instrument :
MSVOA_W
ClientSampleId :
VSTD10008

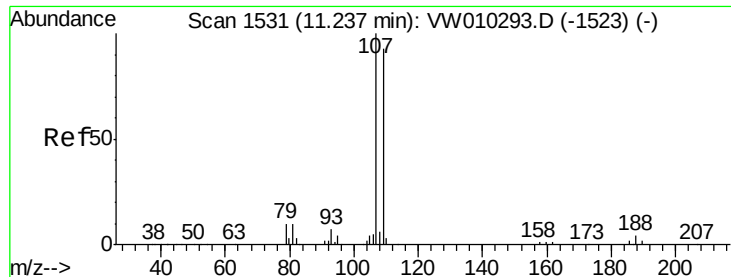
Tgt Ion: 43 Resp: 1316108
Ion Ratio Lower Upper
43 100
58 50.7 39.2 58.8
57 17.8 14.1 21.1
100 10.9 8.6 12.8



#50
Dibromochloromethane
Concen: 104.274 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010295.D
Acq: 07 May 2019 12:14

Tgt Ion: 129 Resp: 756103
Ion Ratio Lower Upper
129 100
127 77.5 53.3 99.1

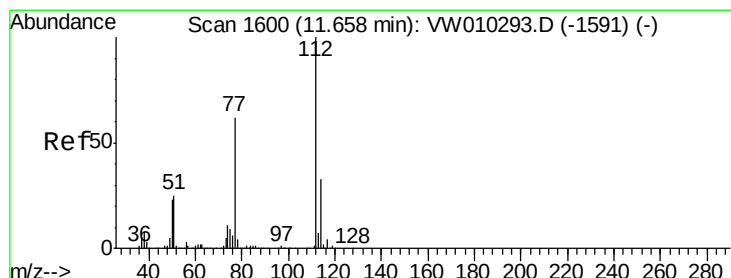
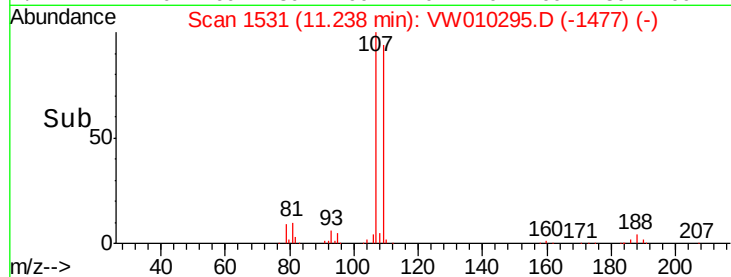
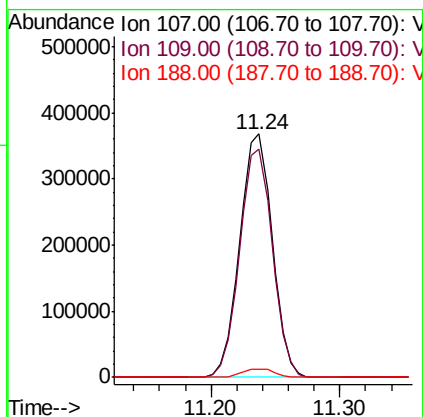
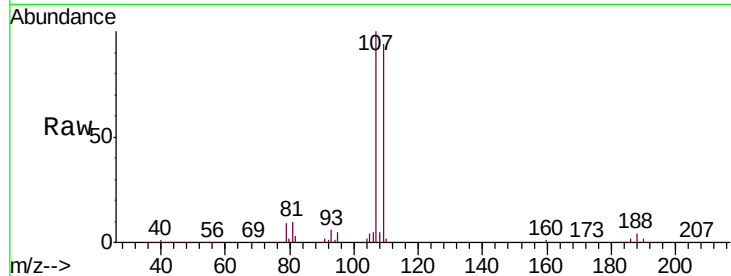




#51
 1,2-Dibromoethane
 Concen: 103.702 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW010295.D
 Acq: 07 May 2019 12:14

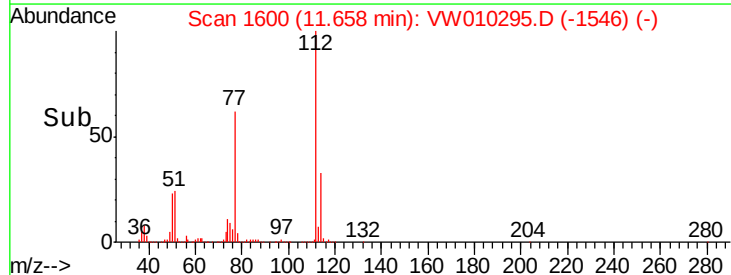
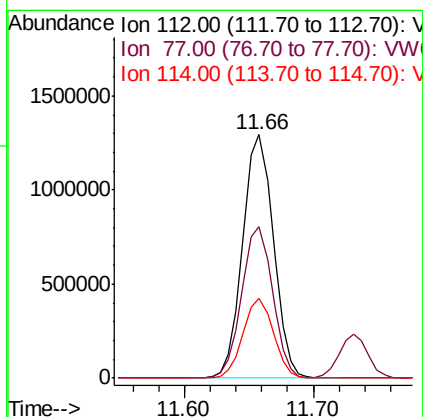
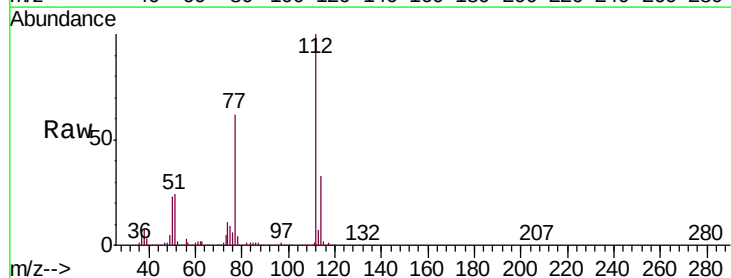
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10008

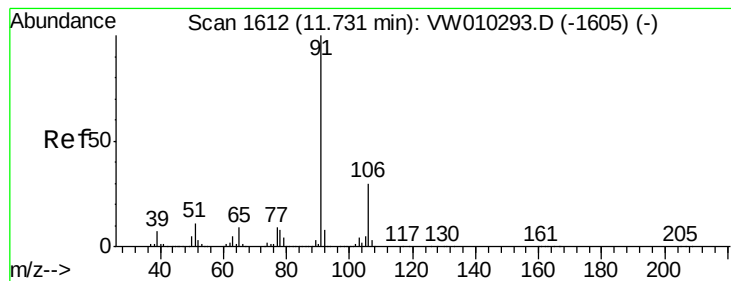
Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.9	65.3	121.3
188	3.6	2.8	4.2



#52
 Chlorobenzene
 Concen: 98.899 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW010295.D
 Acq: 07 May 2019 12:14

Tgt Ion	Ratio	Lower	Upper
112	100		
77	62.4	49.3	73.9
114	32.6	22.9	42.5





#53

Ethylbenzene

Concen: 104.041 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW010295.D

Acq: 07 May 2019 12:14

Instrument :

MSVOA_W

ClientSampleId :

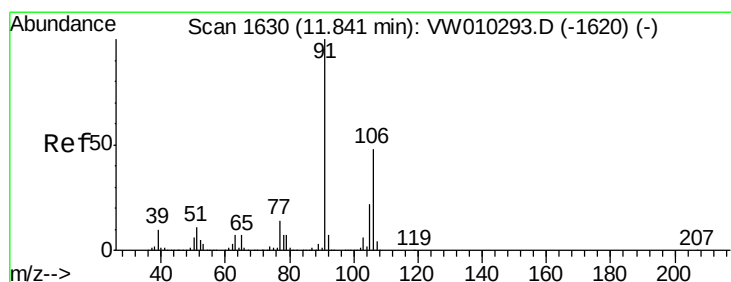
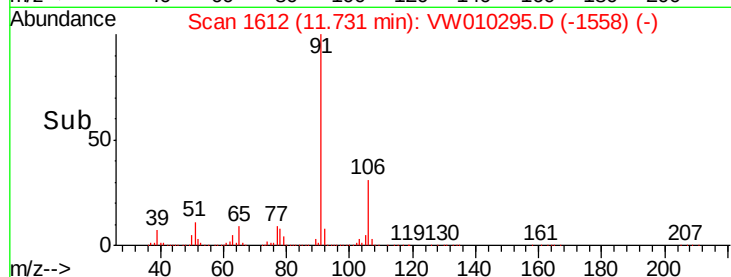
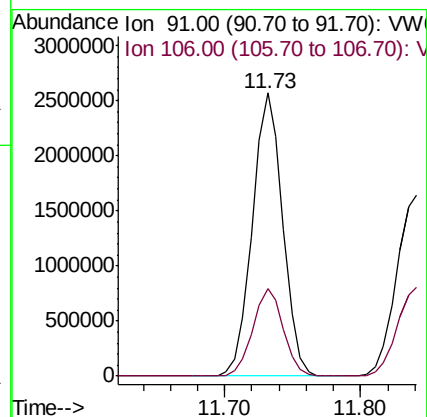
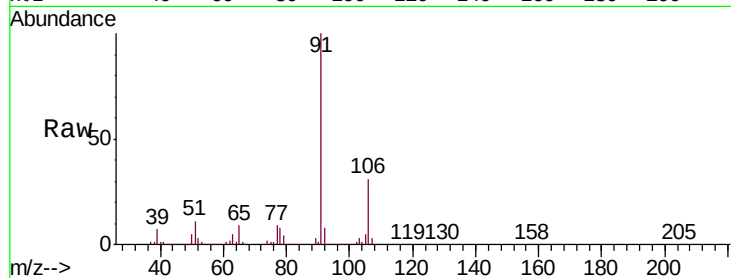
VSTD10008

Tgt Ion: 91 Resp: 4022381

Ion Ratio Lower Upper

91 100

106 30.8 21.0 39.0



#54

m,p-Xylene

Concen: 106.274 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW010295.D

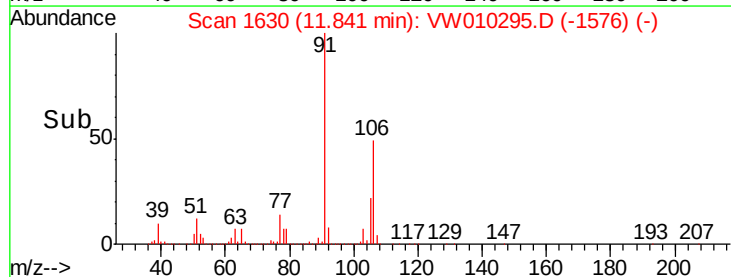
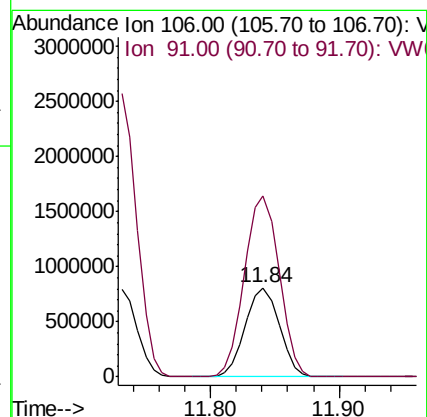
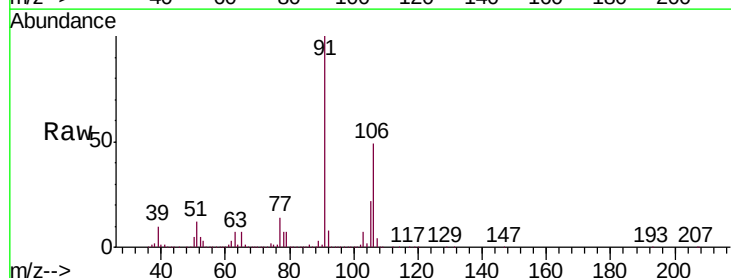
Acq: 07 May 2019 12:14

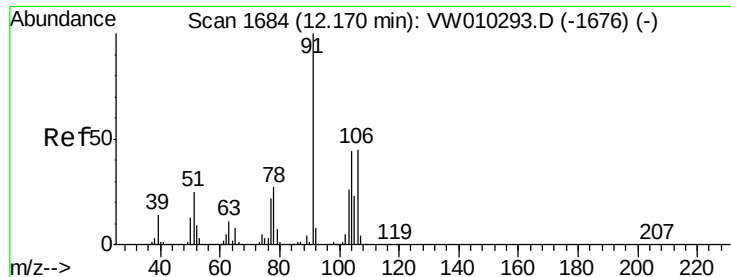
Tgt Ion: 106 Resp: 1494685

Ion Ratio Lower Upper

106 100

91 203.5 145.5 270.1





#55

o-xylene

Concen: 108.480 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VW010295.D

Acq: 07 May 2019 12:14

Instrument :

MSVOA_W

ClientSampleId :

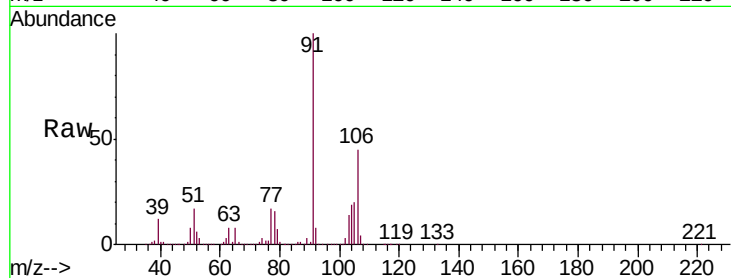
VSTD10008

Tgt Ion:106 Resp: 1420350

Ion Ratio Lower Upper

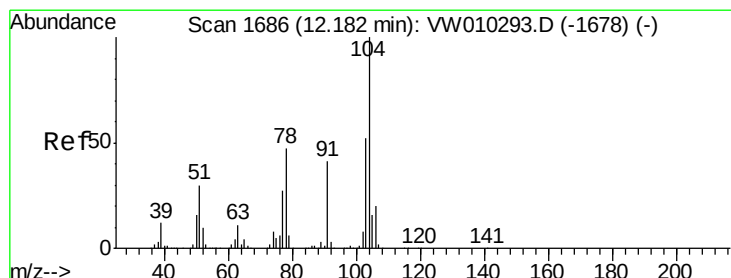
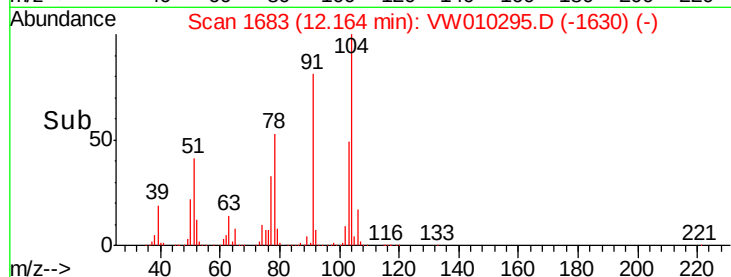
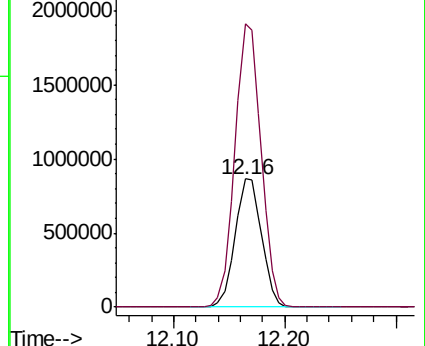
106 100

91 221.0 154.6 287.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 108.539 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW010295.D

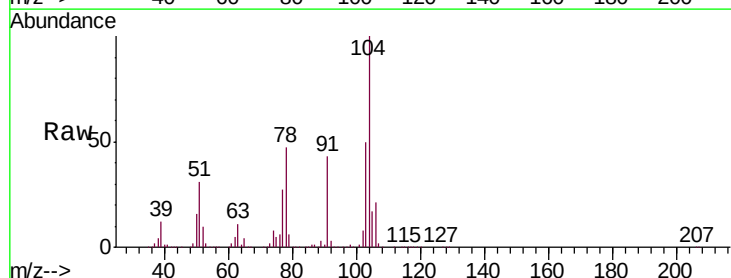
Acq: 07 May 2019 12:14

Tgt Ion:104 Resp: 2452230

Ion Ratio Lower Upper

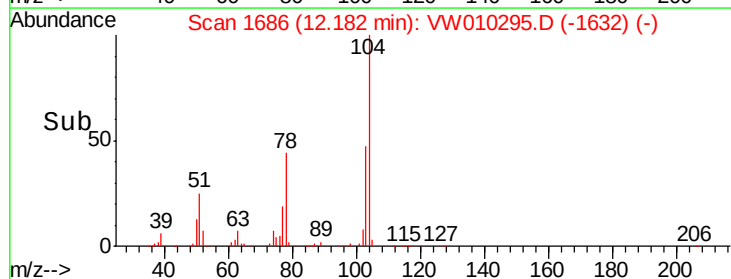
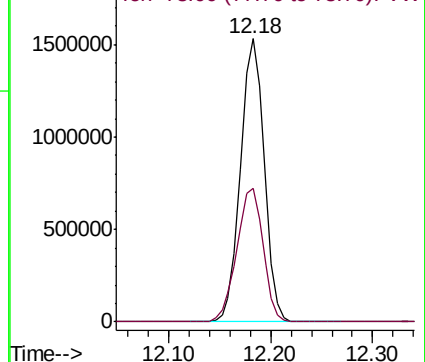
104 100

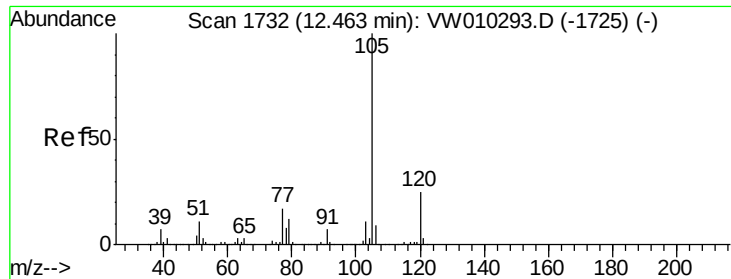
78 47.2 33.3 61.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 108.651 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW010295.D

Acq: 07 May 2019 12:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD10008

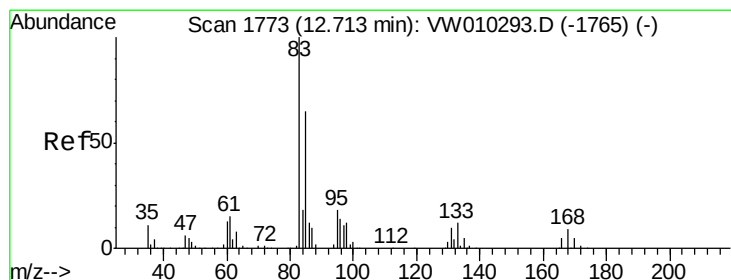
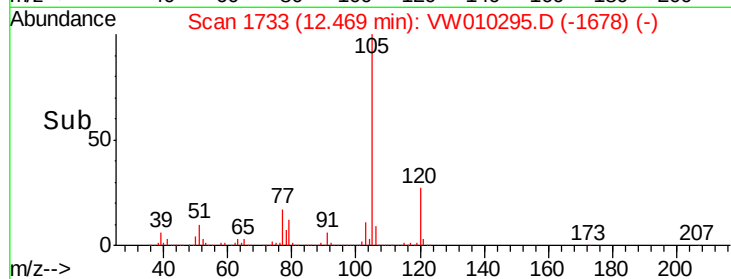
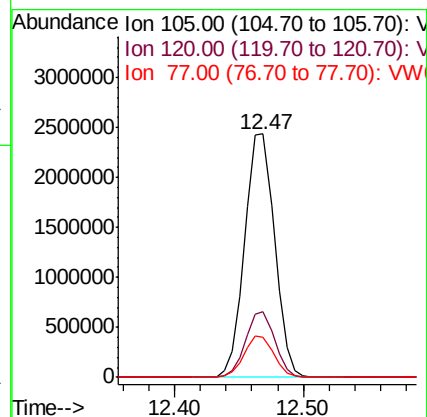
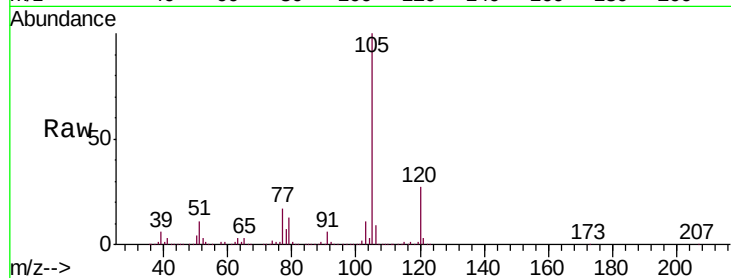
Tgt Ion:105 Resp: 3909527

Ion Ratio Lower Upper

105 100

120 26.3 20.5 30.7

77 16.7 13.5 20.3



#58

1,1,2,2-Tetrachloroethane

Concen: 102.355 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010295.D

Acq: 07 May 2019 12:14

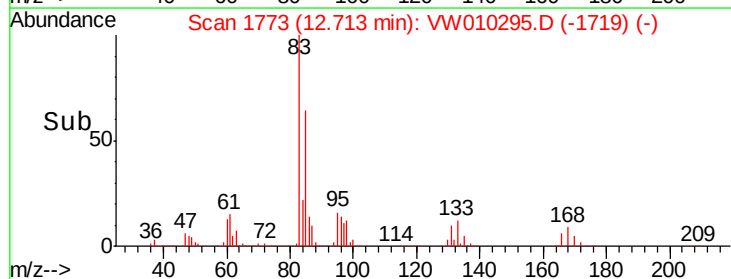
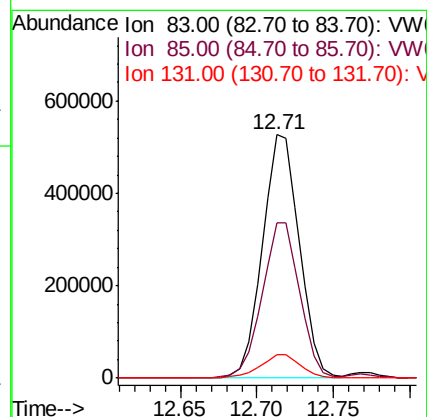
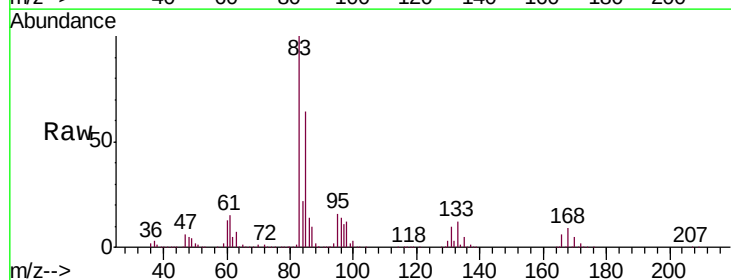
Tgt Ion: 83 Resp: 886751

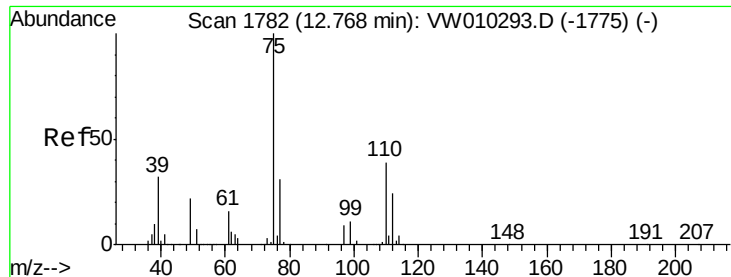
Ion Ratio Lower Upper

83 100

85 63.9 45.6 84.8

131 9.8 8.2 12.4





#59

1,2,3-Trichloropropane

Concen: 103.498 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW010295.D

Acq: 07 May 2019 12:14

Instrument :

MSVOA_W

ClientSampleId :

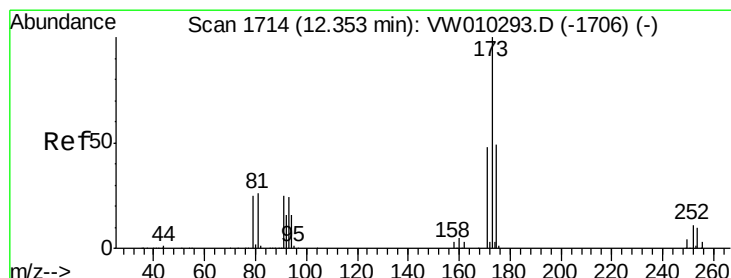
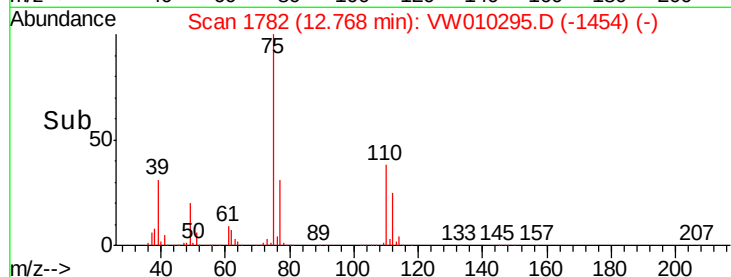
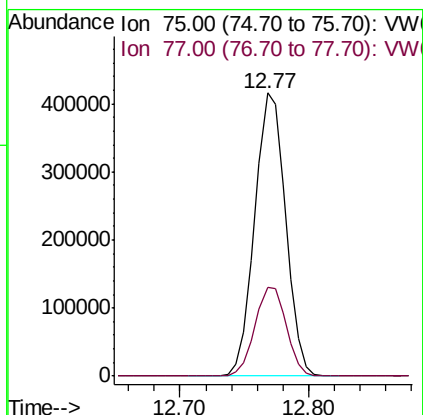
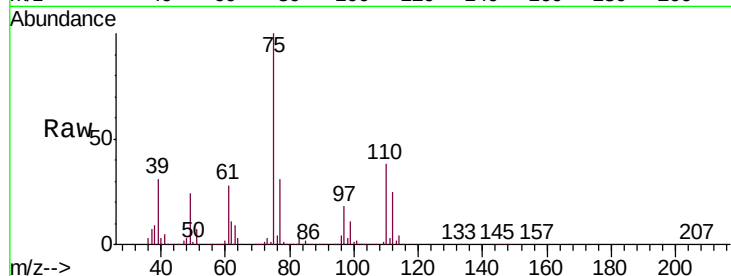
VSTD10008

Tgt Ion: 75 Resp: 688317

Ion Ratio Lower Upper

75 100

77 31.9 25.7 38.5



#62

Bromoform

Concen: 105.957 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW010295.D

Acq: 07 May 2019 12:14

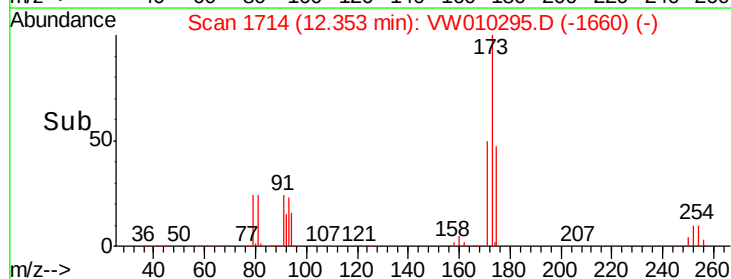
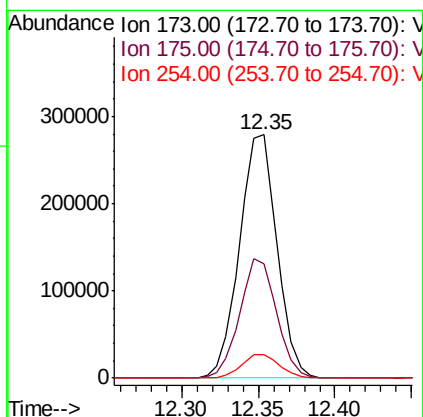
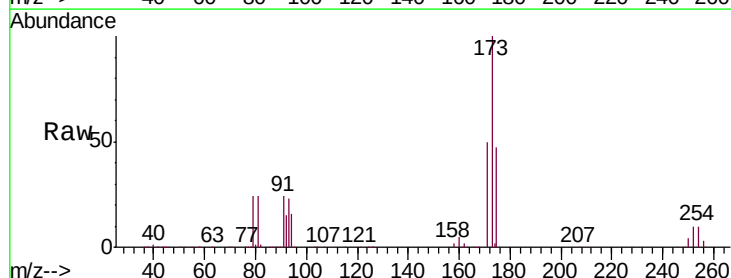
Tgt Ion: 173 Resp: 475845

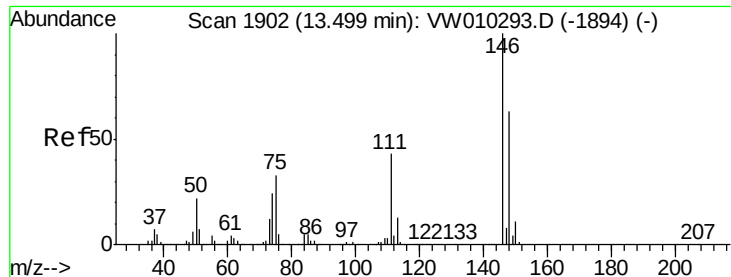
Ion Ratio Lower Upper

173 100

175 48.2 39.4 59.2

254 9.8 7.5 11.3

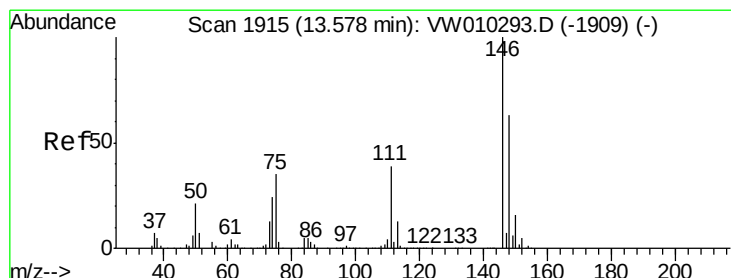
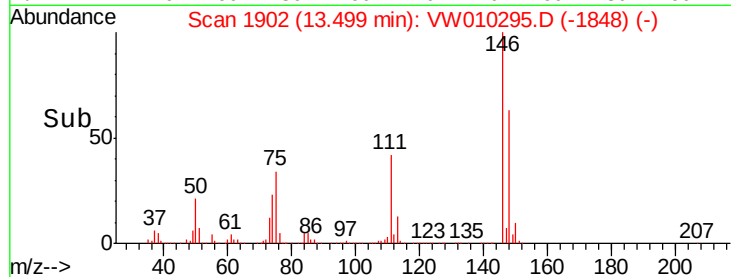
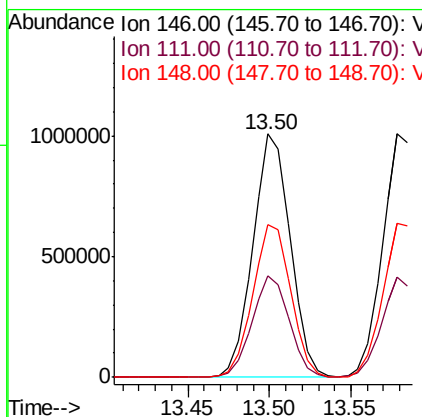
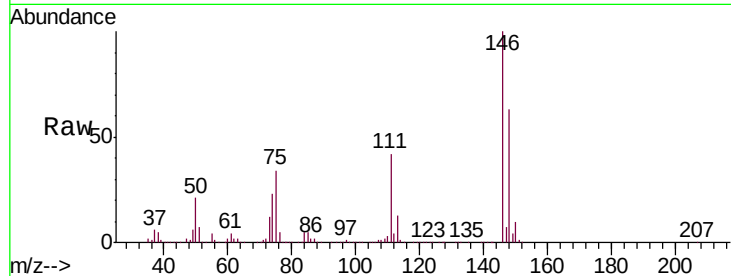




#63
 1,3-Dichlorobenzene
 Concen: 103.508 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010295.D
 Acq: 07 May 2019 12:14

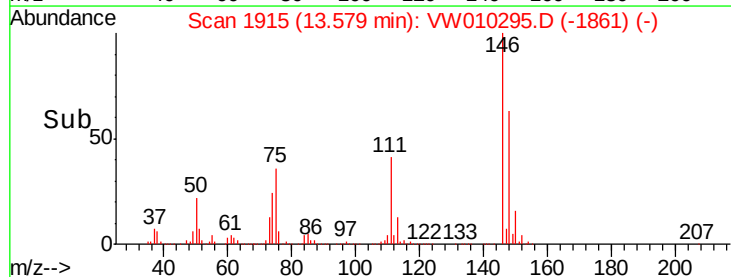
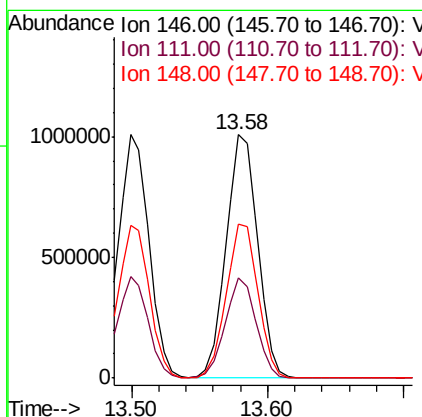
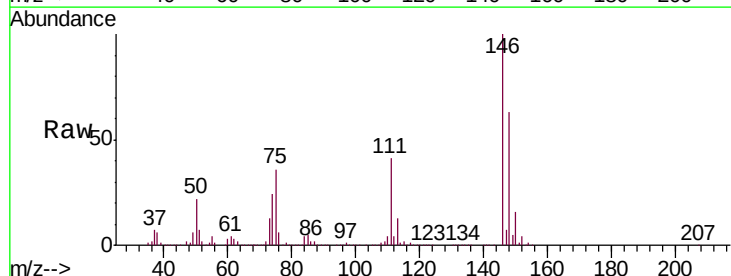
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10008

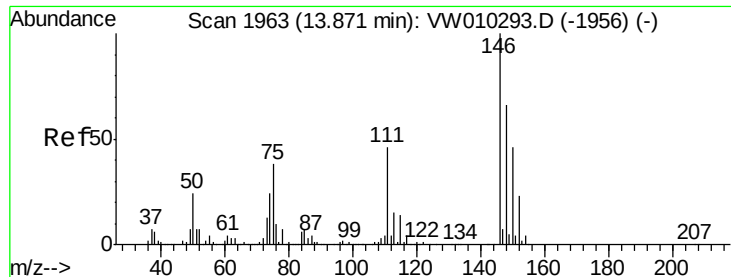
Tgt Ion:146 Resp: 1609284
 Ion Ratio Lower Upper
 146 100
 111 41.8 30.0 55.8
 148 63.0 43.9 81.5



#64
 1,4-Dichlorobenzene
 Concen: 96.408 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW010295.D
 Acq: 07 May 2019 12:14

Tgt Ion:146 Resp: 1623291
 Ion Ratio Lower Upper
 146 100
 111 41.2 27.4 51.0
 148 63.5 44.0 81.6

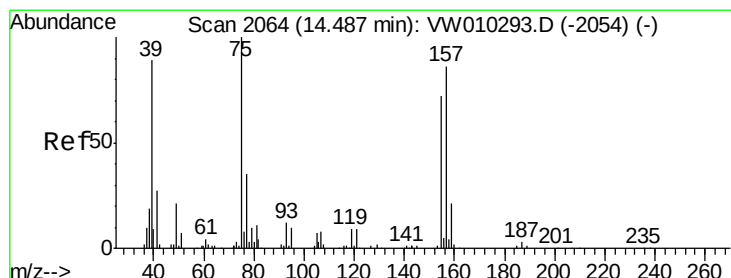
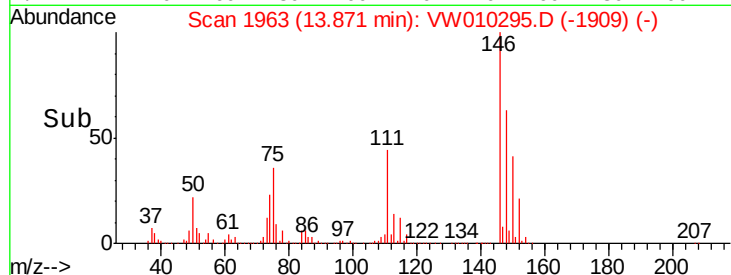
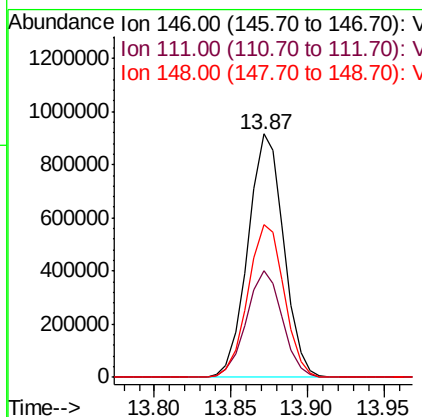
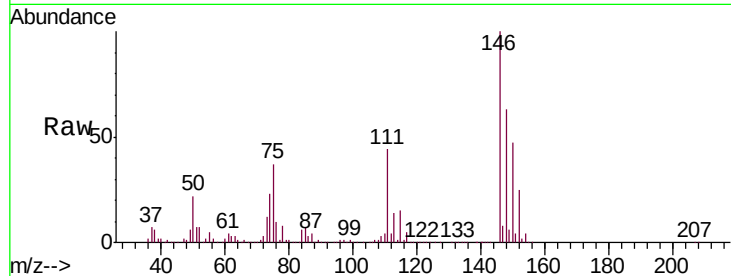




#65
 1,2-Dichlorobenzene
 Concen: 99.318 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010295.D
 Acq: 07 May 2019 12:14

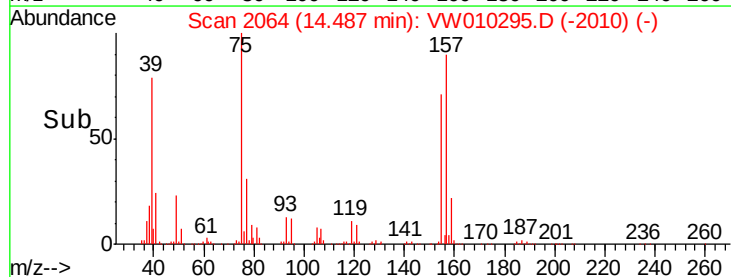
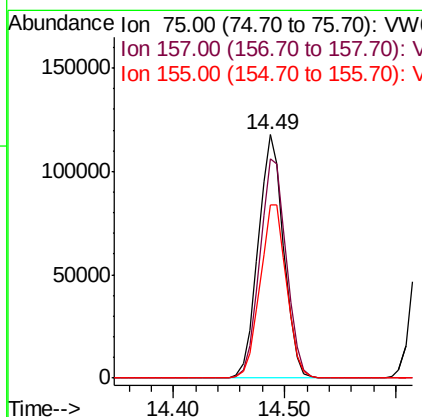
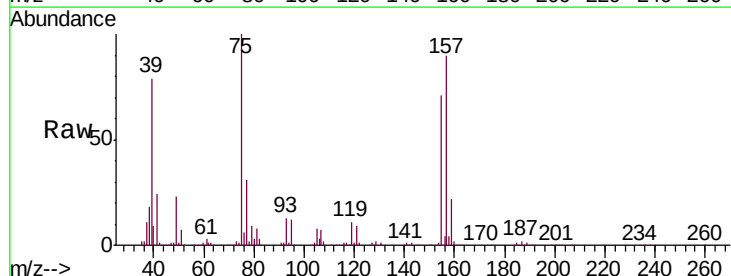
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10008

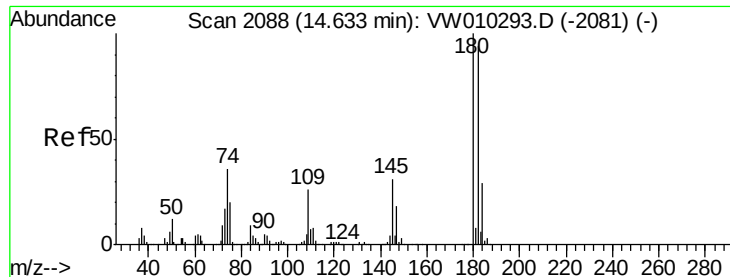
Tgt Ion:146 Resp: 1485667
 Ion Ratio Lower Upper
 146 100
 111 43.9 36.8 55.2
 148 62.7 52.9 79.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 105.125 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010295.D
 Acq: 07 May 2019 12:14

Tgt Ion: 75 Resp: 187392
 Ion Ratio Lower Upper
 75 100
 157 90.0 68.6 103.0
 155 71.2 57.3 85.9

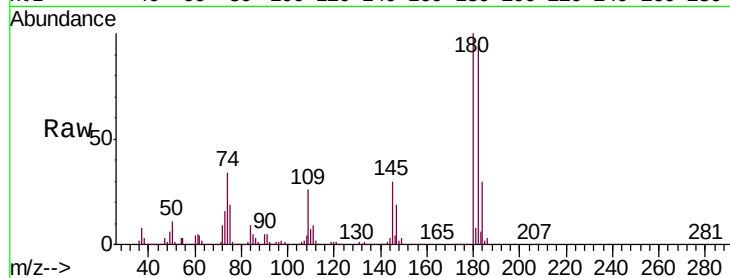




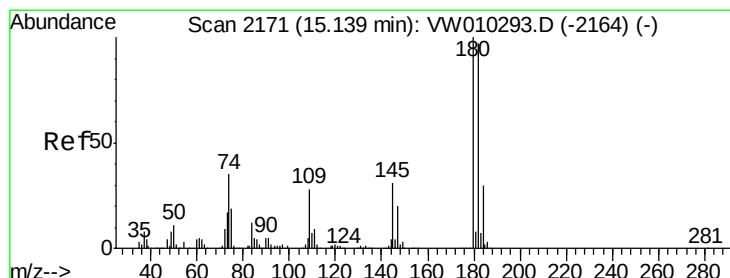
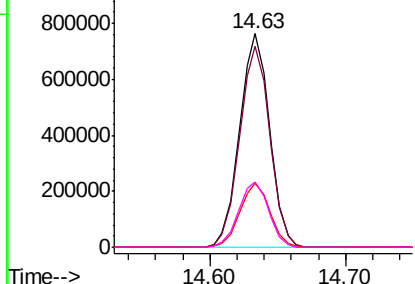
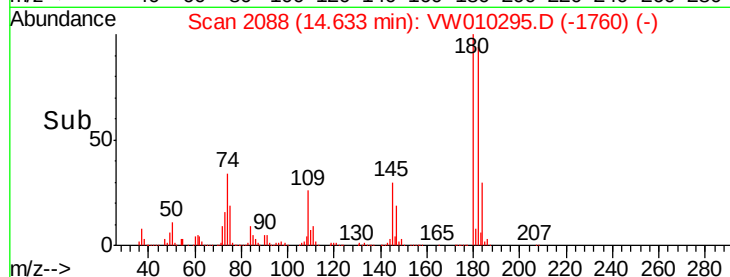
#67
 1,3,5-Trichlorobenzene
 Concen: 100.710 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW010295.D
 Acq: 07 May 2019 12:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10008

Tgt Ion:180 Resp: 1172839
 Ion Ratio Lower Upper
 180 100
 182 94.6 75.4 113.0
 184 29.9 23.8 35.8
 145 30.6 24.6 36.8

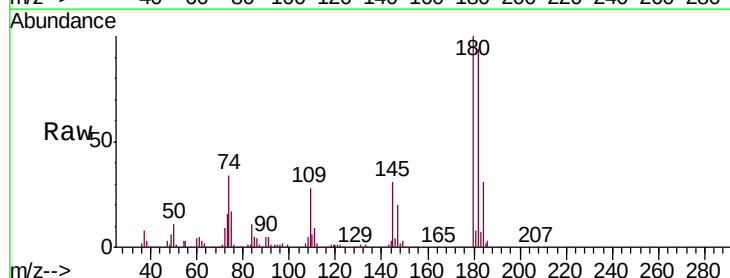


Abundance Ion 180.00 (179.70 to 180.70): V
 1200000
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

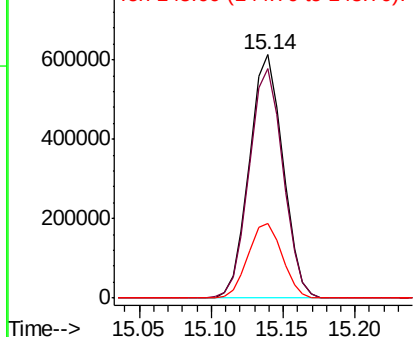
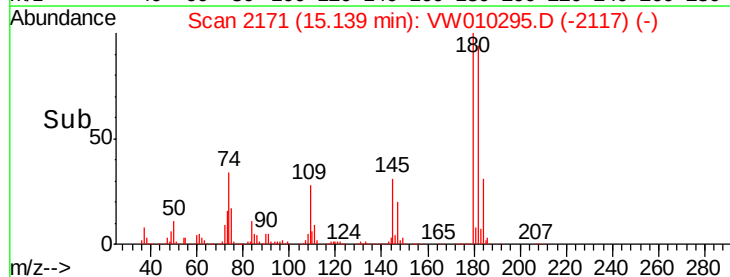


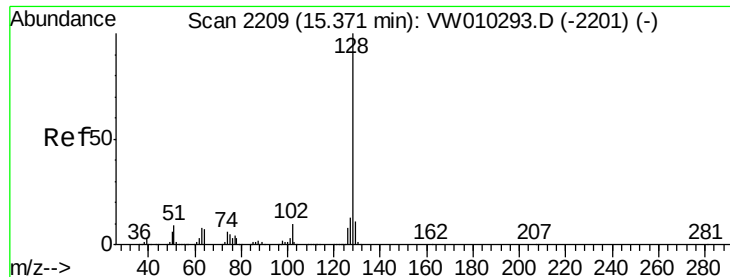
#68
 1,2,4-trichlorobenzene
 Concen: 107.522 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010295.D
 Acq: 07 May 2019 12:14

Tgt Ion:180 Resp: 990967
 Ion Ratio Lower Upper
 180 100
 182 94.9 77.0 115.6
 145 31.2 25.0 37.4



Abundance Ion 180.00 (179.70 to 180.70): V
 800000
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 121.611 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW010295.D

Acq: 07 May 2019 12:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD10008

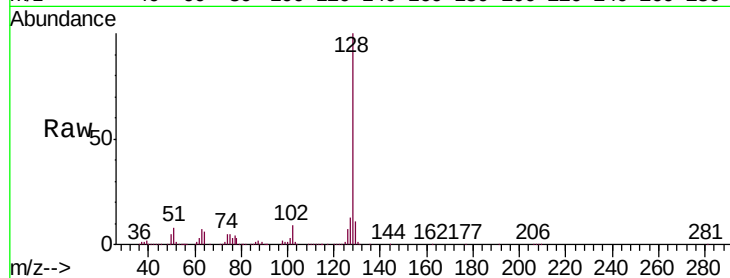
Tgt Ion:128 Resp: 2527695

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

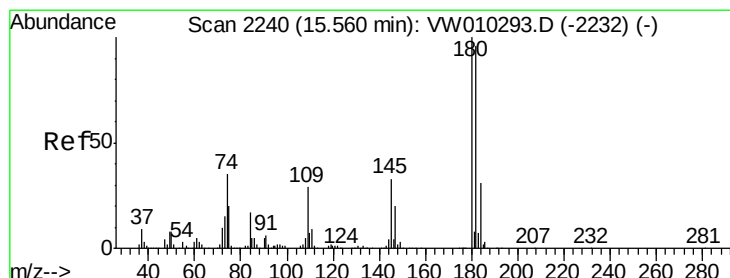
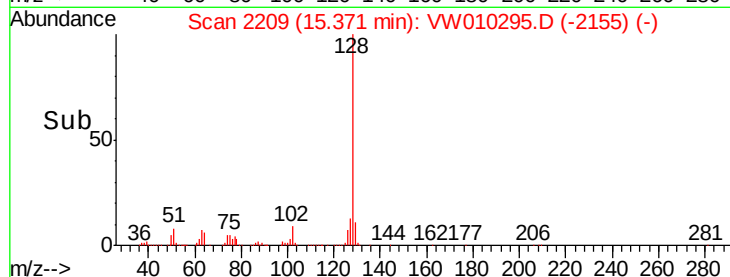
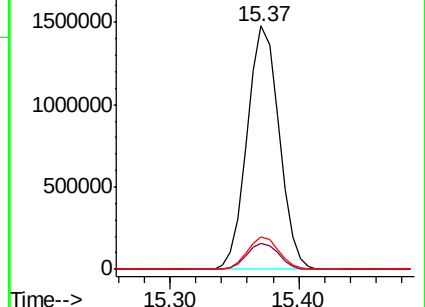
127 13.1 10.8 16.2



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: 103.938 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW010295.D

Acq: 07 May 2019 12:14

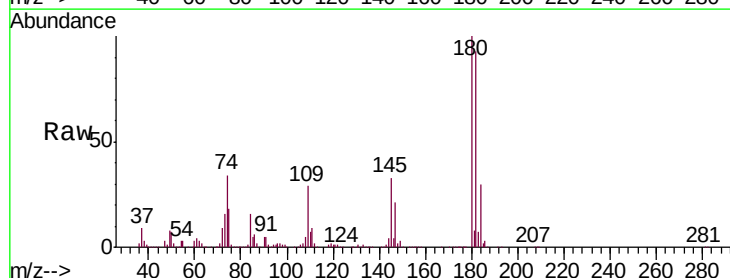
Tgt Ion:180 Resp: 920164

Ion Ratio Lower Upper

180 100

182 94.2 75.8 113.6

145 32.8 26.7 40.1



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

