

Data File : VW010909.D
Acq On : 21 Jun 2019 22:56
Operator : SY/VA
Sample : VSTD10005
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD10005

Quant Time: Jun 22 05:36:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062119S.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 22 05:32:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	354608	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	338967	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	166243	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	421156	83.43	ug/L	0.00
7) Chloroethane-d5	2.88	69	342755	88.71	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	1011684	94.97	ug/L	0.00
20) 2-Butanone-d5	7.07	46	511383	238.46	ug/L	0.00
24) Chloroform-d	7.65	84	951161	123.11	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	617503	102.21	ug/L	0.00
29) Benzene-d6	8.27	84	1887160	93.13	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	650757	99.36	ug/L	0.00
37) Toluene-d8	10.32	98	1743386	95.62	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	304992	104.83	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	345779	220.95	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	590441	105.63	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	612206	96.65	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	518301	94.195	ug/L	97
3) Chloromethane	2.21	50	612605	99.875	ug/L	99
5) Vinyl chloride	2.36	62	588742	101.188	ug/L	97
6) Bromomethane	2.77	94	305447	112.994	ug/L	99
8) Chloroethane	2.92	64	334510	99.310	ug/L	99
9) Trichlorofluoromethane	3.25	101	200621	30.891	ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	463218	101.685	ug/L	98
12) 1,1-Dichloroethene	4.04	96	478572	112.546	ug/L	96
13) Acetone	4.12	43	353521	167.425	ug/L	99
14) Carbon disulfide	4.39	76	1440134	114.875	ug/L	99
15) Methyl Acetate	4.67	43	431749	118.318	ug/L	99
16) Methylene chloride	4.92	84	525696	104.410	ug/L	97
17) Methyl tert-butyl Ether	5.42	73	795528	63.065	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	494348	105.310	ug/L	97
19) 1,1-Dichloroethane	6.21	63	1020769	104.942	ug/L	100
21) 2-Butanone	7.17	43	594696	198.067	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	554551	104.526	ug/L	98
23) Bromochloromethane	7.51	128	239447	108.380	ug/L	98
25) Chloroform	7.67	83	949577	87.552	ug/L	100
27) 1,2-Dichloroethane	8.40	62	768485	106.253	ug/L	99
30) Cyclohexane	7.95	56	1005748	98.395	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	653338	83.218	ug/L	99
32) Carbon tetrachloride	8.07	117	627147	94.039	ug/L	99
34) Benzene	8.32	78	2102389	99.307	ug/L	100
35) Trichloroethene	9.09	95	528975	97.873	ug/L	99
36) Methylcyclohexane	9.34	83	932248	97.184	ug/L	100
40) 1,2-Dichloropropane	9.37	63	597157	101.302	ug/L	100
41) Bromodichloromethane	9.64	83	734392	106.386	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	964783	107.128	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	1275949	223.245	ug/L	100

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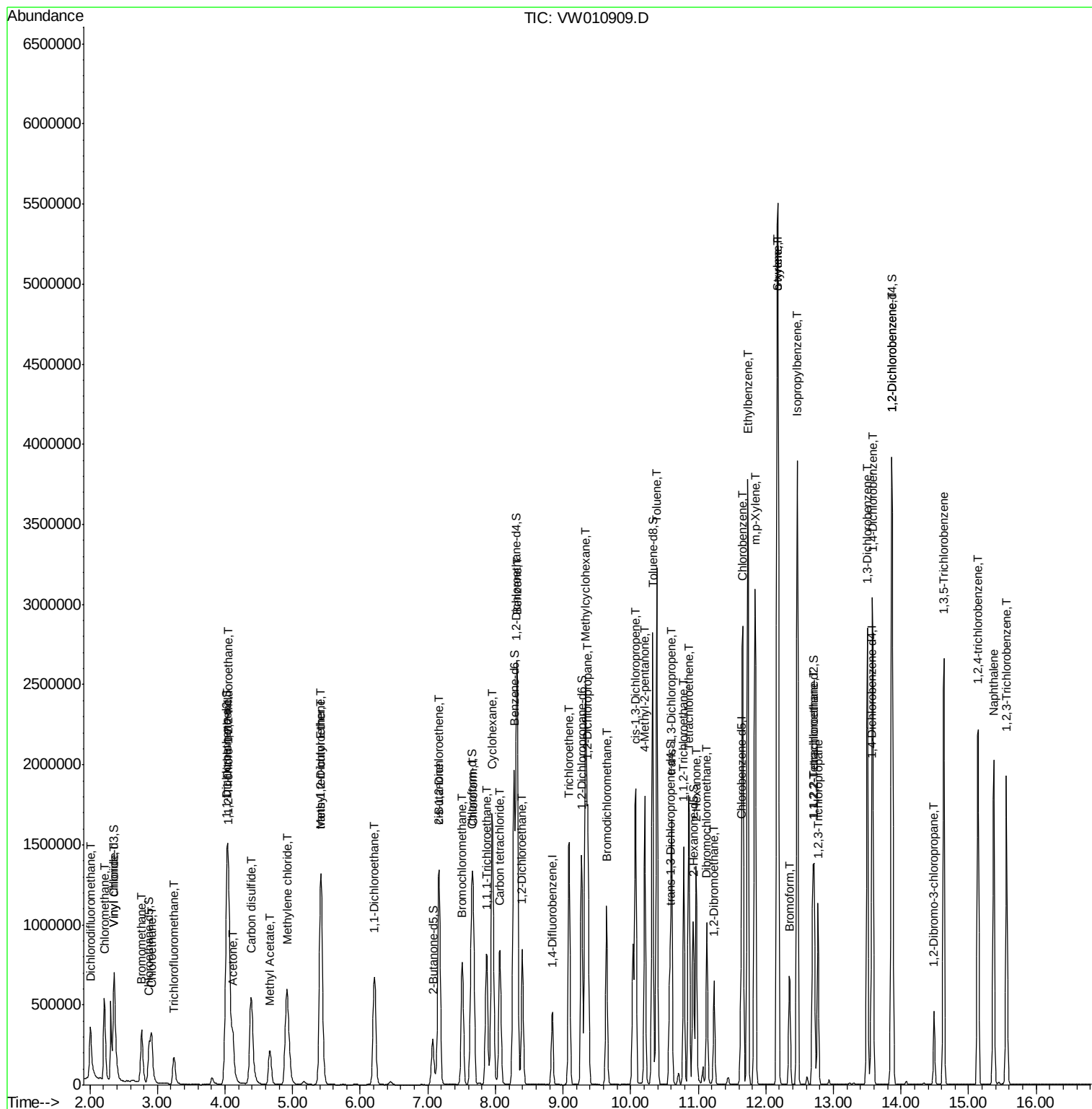
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	2231560	100.616	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	818670	108.297	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	430260	102.581	ug/L	99
47) Tetrachloroethene	10.86	164	392480	97.327	ug/L	99
49) 2-Hexanone	10.97	43	900363	216.829	ug/L	98
50) Dibromochloromethane	11.13	129	497283	107.662	ug/L	97
51) 1,2-Dibromoethane	11.24	107	435186	107.326	ug/L	97
52) Chlorobenzene	11.66	112	1376147	100.195	ug/L	99
53) Ethylbenzene	11.73	91	2533257	100.423	ug/L	99
54) m,p-Xylene	11.84	106	929261	101.791	ug/L	97
55) o-xylene	12.17	106	917030	103.626	ug/L	95
56) Styrene	12.18	104	1597297	103.712	ug/L	98
57) Isopropylbenzene	12.46	105	2388079	99.284	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	592790	105.505	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	462545	104.245	ug/L	100
62) Bromoform	12.35	173	301200	108.345	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	1071881	100.196	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	1066689	98.053	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	995730	98.827	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.49	75	114806	107.915	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	772721	95.051	ug/L	100
68) 1,2,4-trichlorobenzene	15.14	180	686528	101.099	ug/L	99
69) Naphthalene	15.37	128	1632931	111.998	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	624902	101.640	ug/L	99

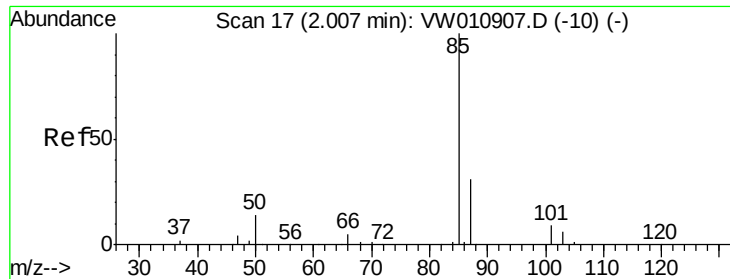
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 94.195 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW010909.D

Acq: 21 Jun 2019 22:56

Instrument :

MSVOA_W

ClientSampleId :

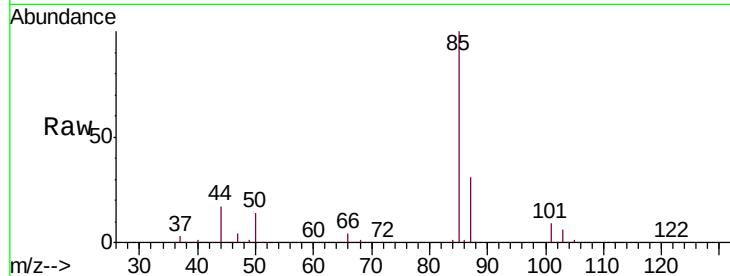
VSTD10005

Tgt Ion: 85 Resp: 518301

Ion Ratio Lower Upper

85 100

87 31.9 23.4 43.4



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW

2.01

200000

150000

100000

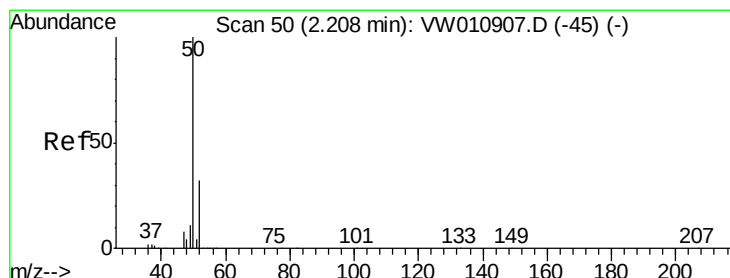
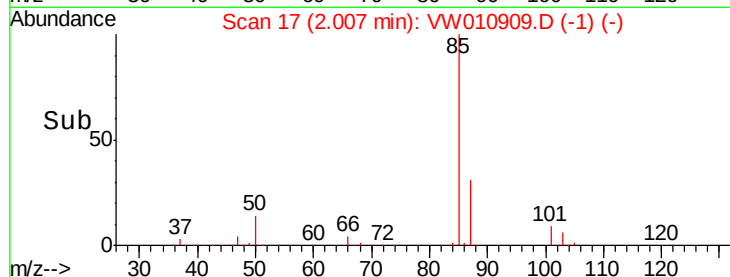
50000

0

2.00

2.20

Time-->



#3

Chloromethane

Concen: 99.875 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW010909.D

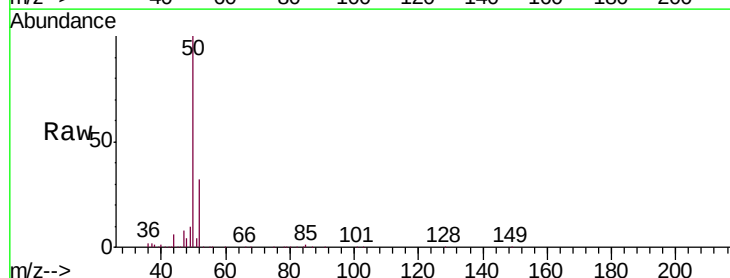
Acq: 21 Jun 2019 22:56

Tgt Ion: 50 Resp: 612605

Ion Ratio Lower Upper

50 100

52 32.3 22.2 41.2



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW

2.21

300000

200000

100000

0

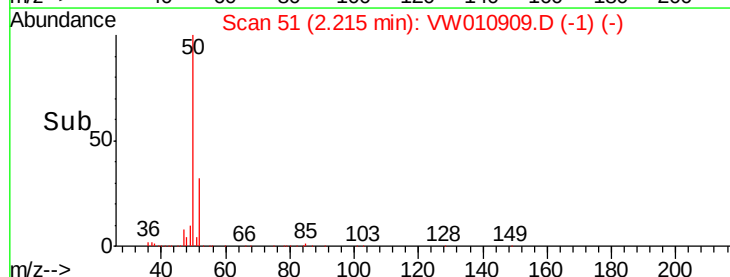
2.15

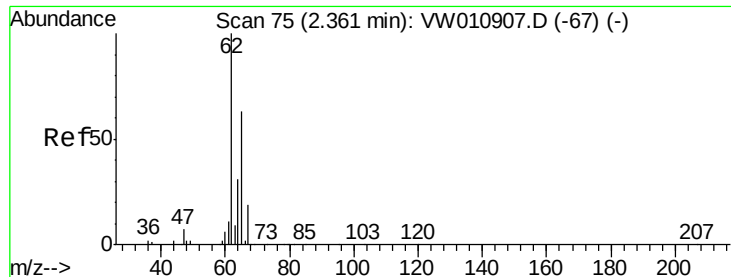
2.20

2.25

2.30

Time-->





#5

Vinyl chloride

Concen: 101.188 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW010909.D

Acq: 21 Jun 2019 22:56

Instrument :

MSVOA_W

ClientSampleId :

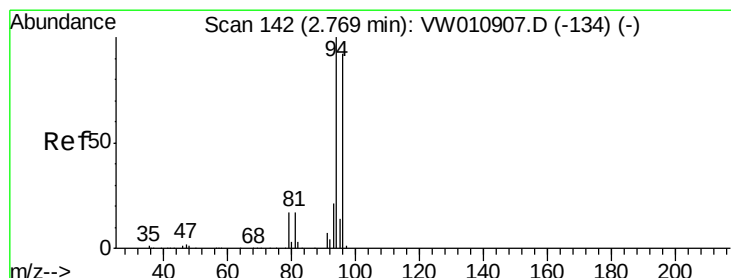
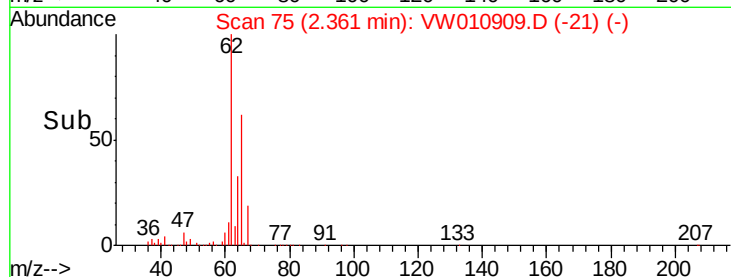
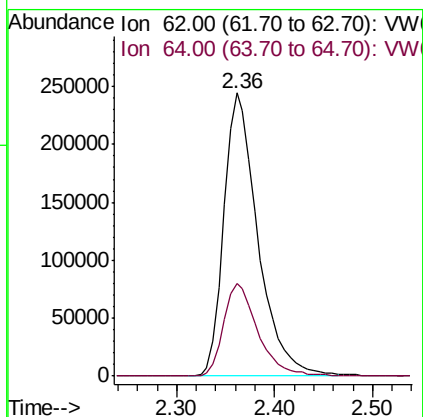
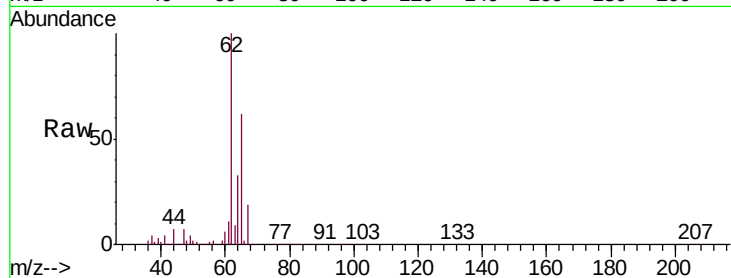
VSTD10005

Tgt Ion: 62 Resp: 588742

Ion Ratio Lower Upper

62 100

64 32.9 21.8 40.6



#6

Bromomethane

Concen: 112.994 ug/L

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW010909.D

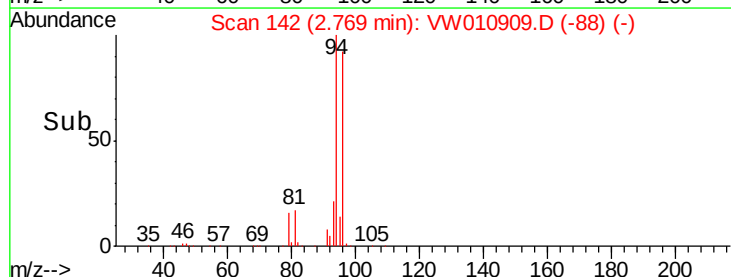
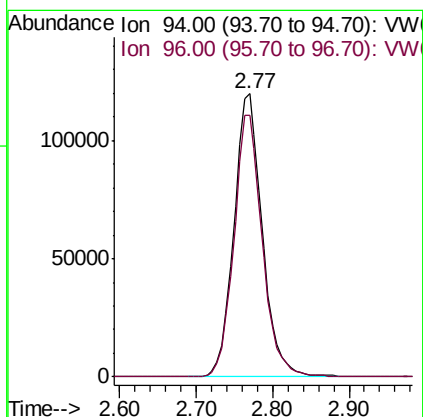
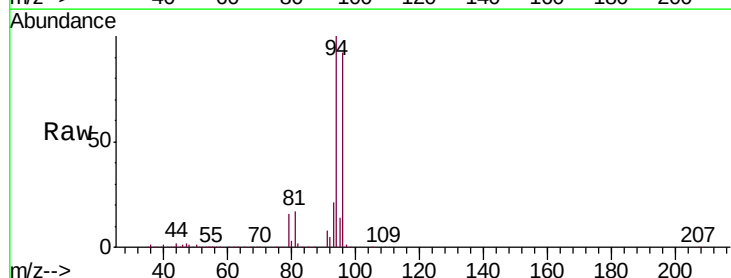
Acq: 21 Jun 2019 22:56

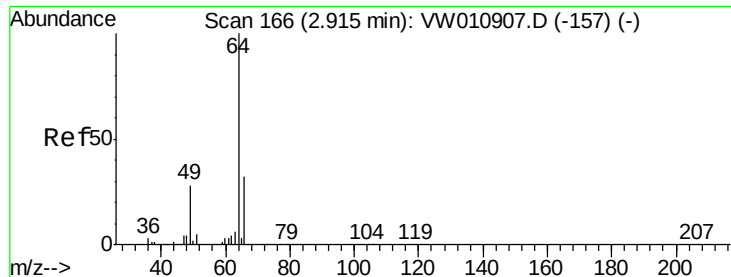
Tgt Ion: 94 Resp: 305447

Ion Ratio Lower Upper

94 100

96 93.2 9.2 175.6





#8

Chloroethane

Concen: 99.310 ug/L

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW010909.D

Acq: 21 Jun 2019 22:56

Instrument :

MSVOA_W

ClientSampleId :

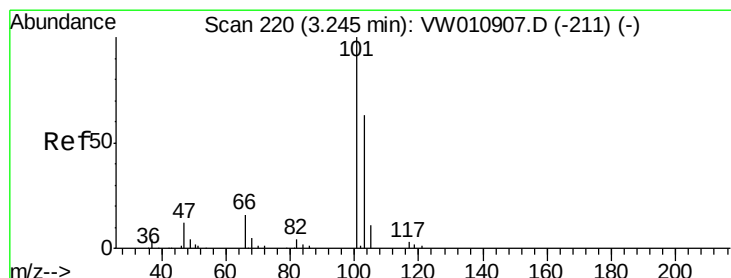
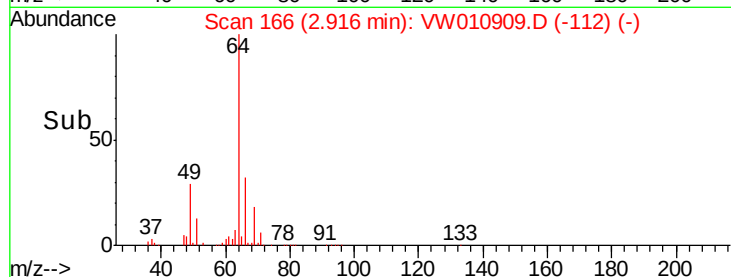
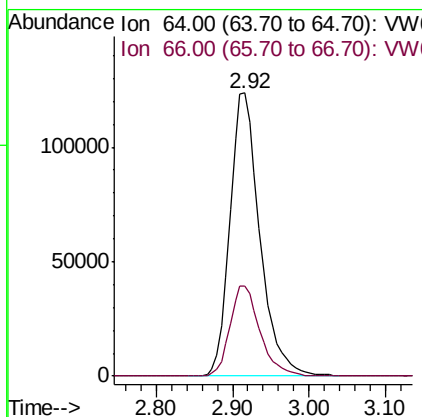
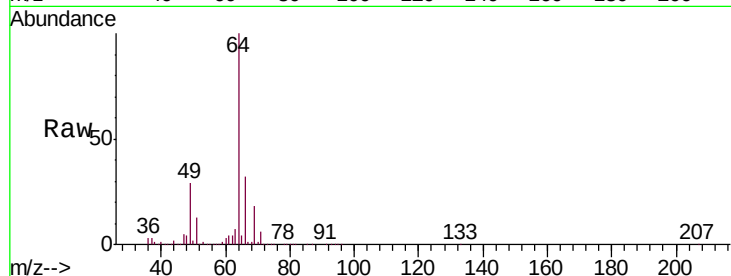
VSTD10005

Tgt Ion: 64 Resp: 334510

Ion Ratio Lower Upper

64 100

66 32.0 22.6 42.0



#9

Trichlorofluoromethane

Concen: 30.891 ug/L

RT: 3.25 min Scan# 220

Delta R.T. 0.00 min

Lab File: VW010909.D

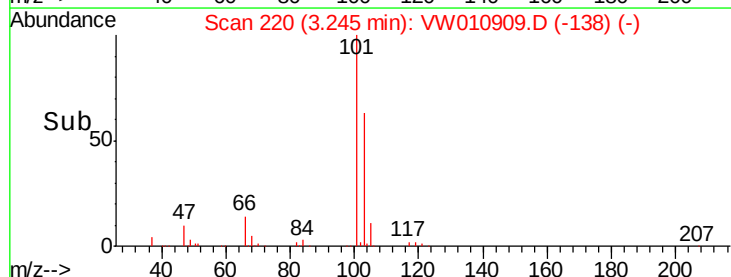
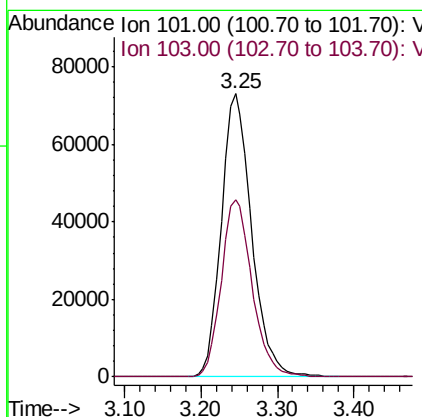
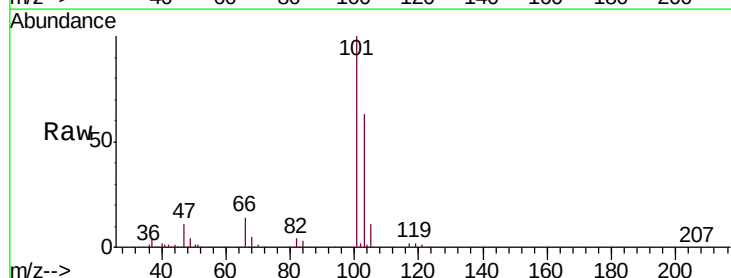
Acq: 21 Jun 2019 22:56

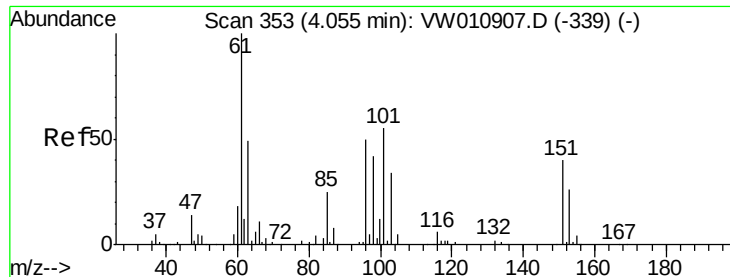
Tgt Ion: 101 Resp: 200621

Ion Ratio Lower Upper

101 100

103 63.6 46.1 85.5





#11

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

Concen: 101.685 ug/L

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW010909.D

Acq: 21 Jun 2019 22:56

Instrument :

MSVOA_W

ClientSampled :

VSTD10005

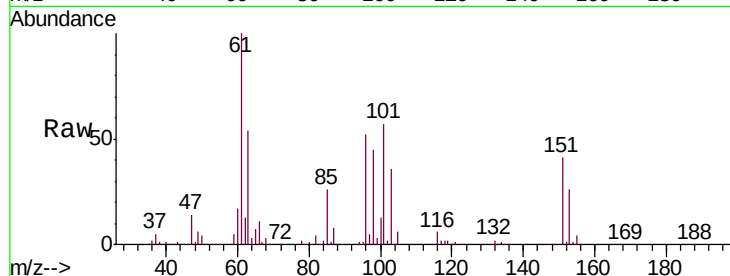
Tgt Ion:101 Resp: 463218

Ion Ratio Lower Upper

101 100

85 44.7 36.5 54.7

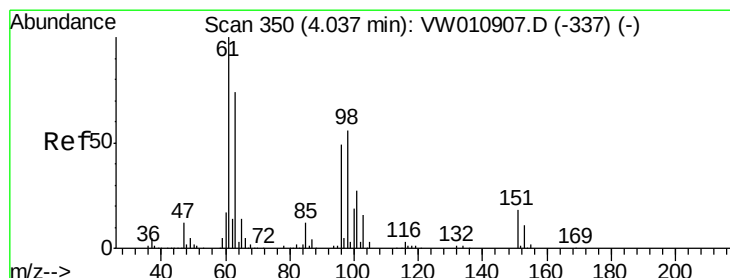
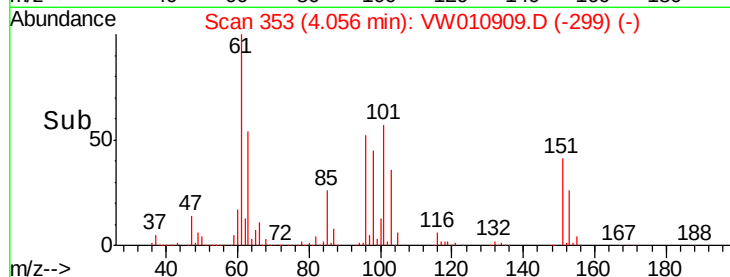
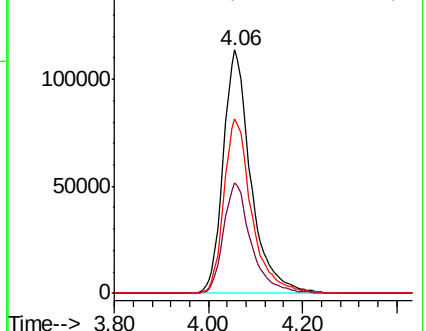
151 71.9 58.6 88.0



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: 112.546 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW010909.D

Acq: 21 Jun 2019 22:56

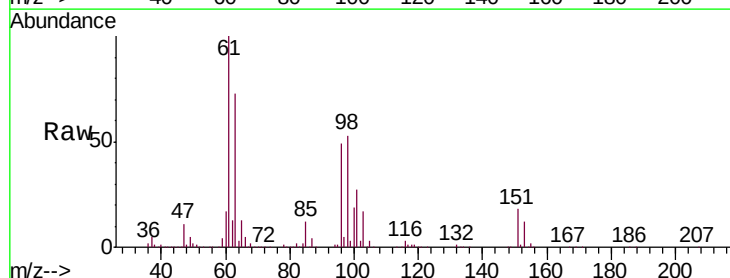
Tgt Ion: 96 Resp: 478572

Ion Ratio Lower Upper

96 100

61 202.8 144.3 267.9

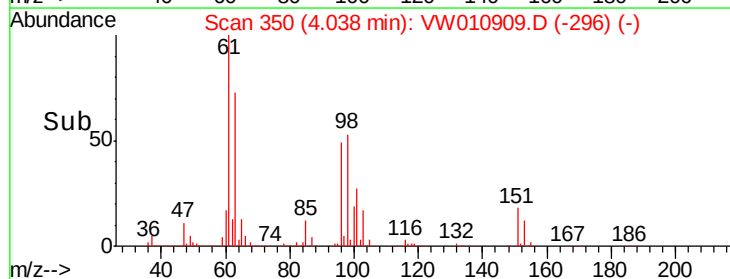
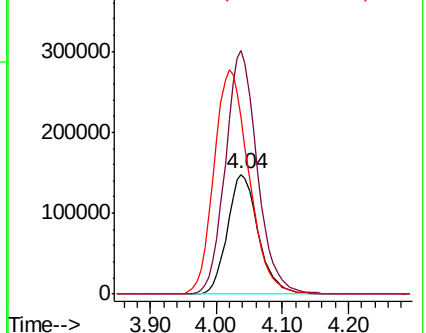
63 147.4 108.4 201.2

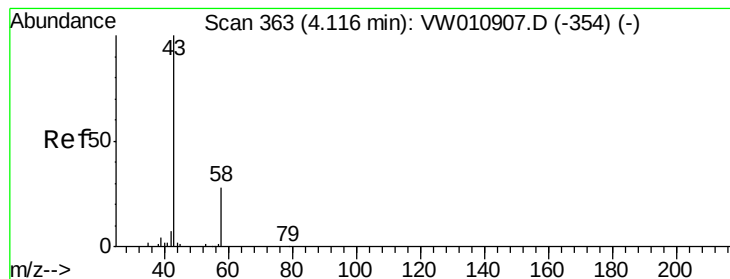


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 167.425 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

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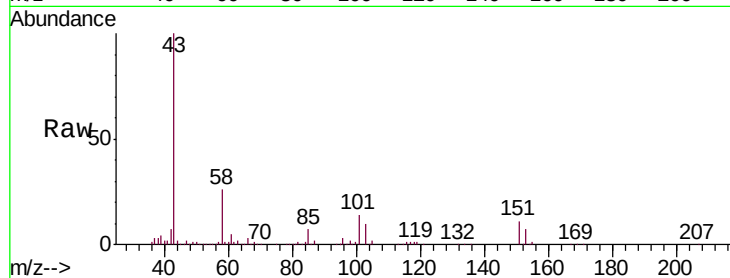
VSTD10005

Tgt Ion: 43 Resp: 353521

Ion Ratio Lower Upper

43 100

58 27.5 0.0 54.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

150000

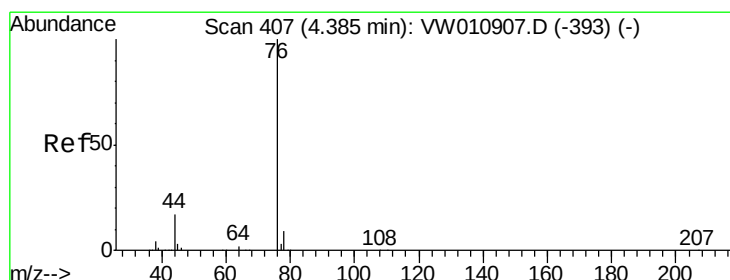
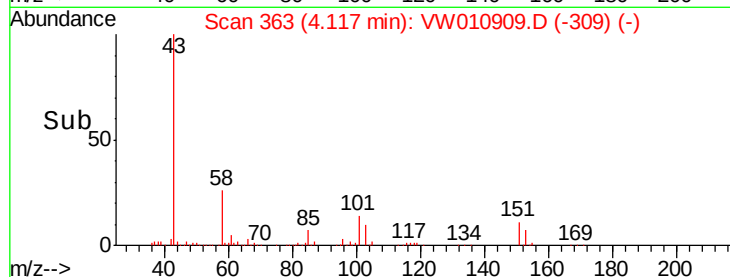
100000

50000

0

4.00 4.10 4.20

Time-->



#14

Carbon disulfide

Concen: 114.875 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW010909.D

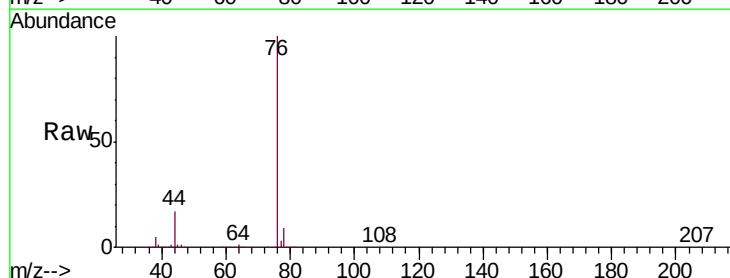
Acq: 21 Jun 2019 22:56

Tgt Ion: 76 Resp: 1440134

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

400000

300000

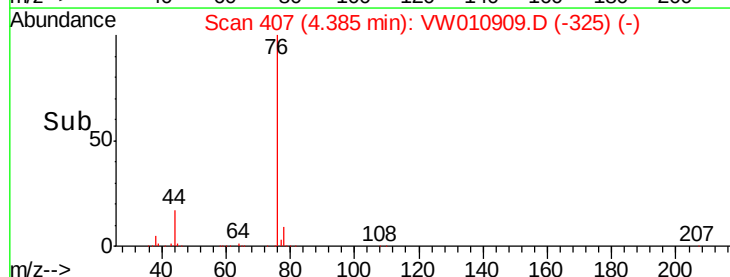
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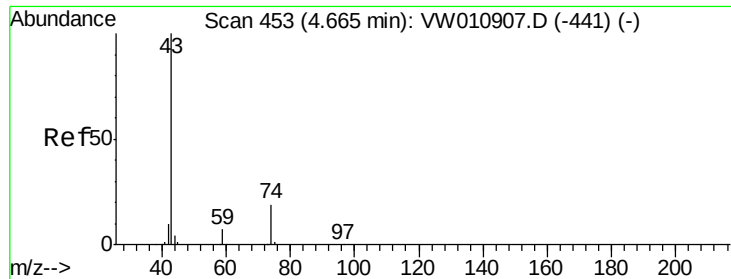
100000

0

4.20 4.40 4.60

Time-->





#15

Methyl Acetate

Concen: 118.318 ug/L

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW010909.D

Acq: 21 Jun 2019 22:56

Instrument :

MSVOA_W

ClientSampleId :

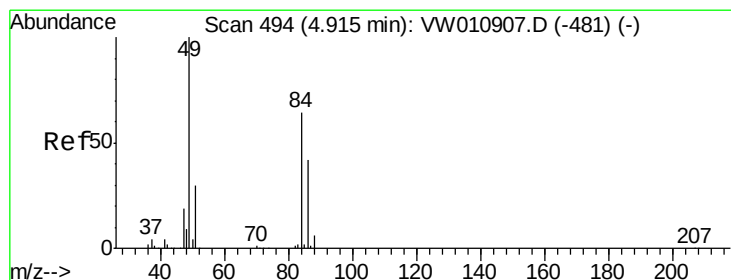
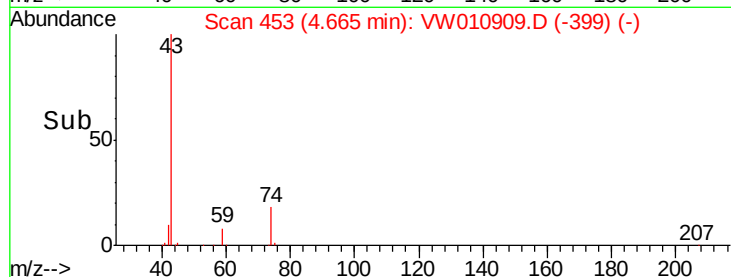
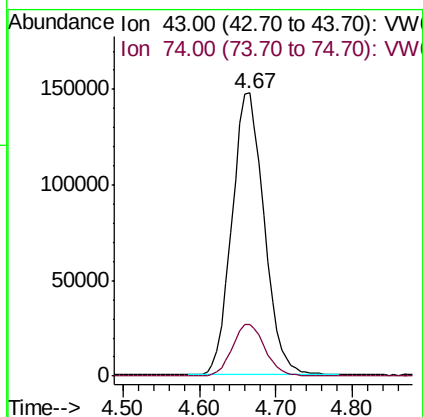
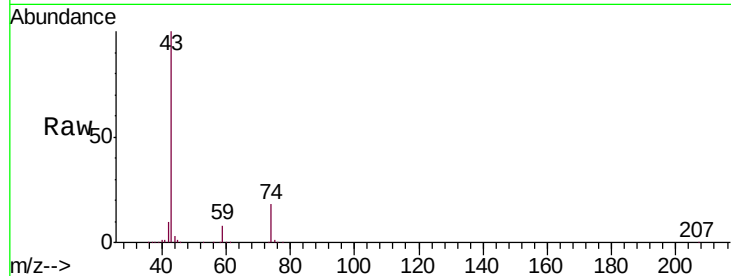
VSTD10005

Tgt Ion: 43 Resp: 431749

Ion Ratio Lower Upper

43 100

74 18.6 15.3 22.9



#16

Methylene chloride

Concen: 104.410 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW010909.D

Acq: 21 Jun 2019 22:56

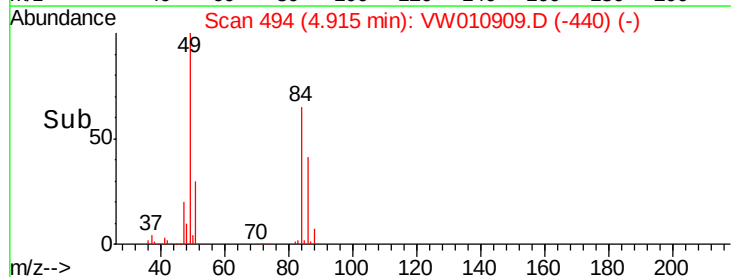
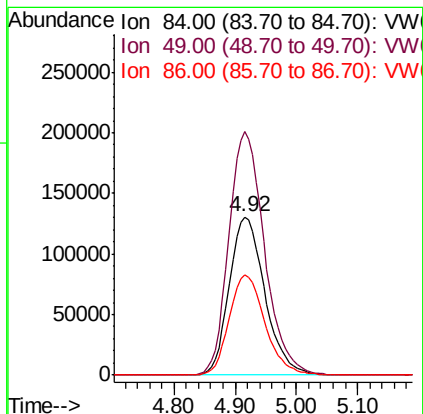
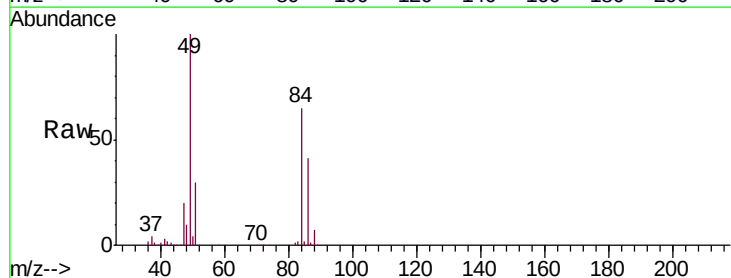
Tgt Ion: 84 Resp: 525696

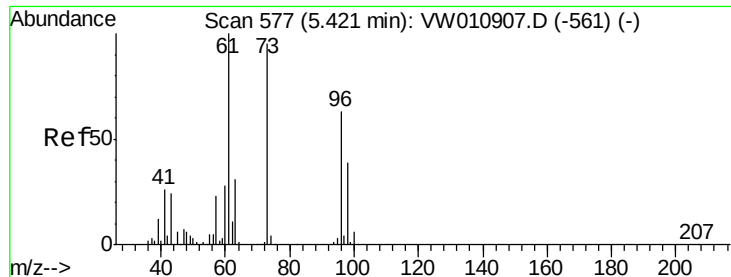
Ion Ratio Lower Upper

84 100

49 154.2 109.8 203.8

86 63.1 46.5 86.5

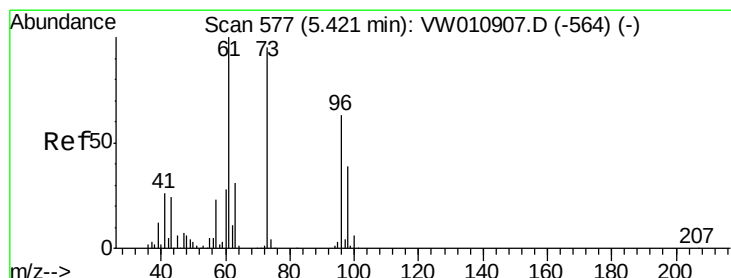
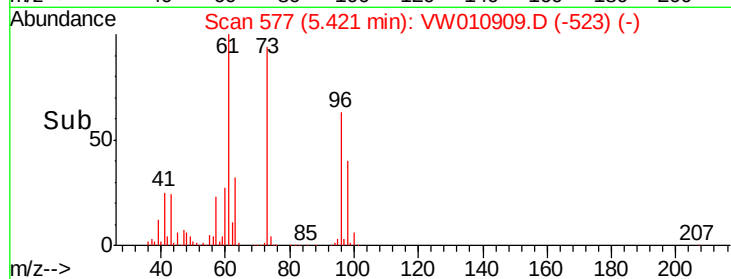
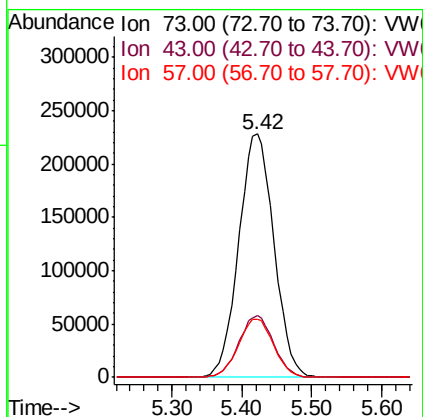
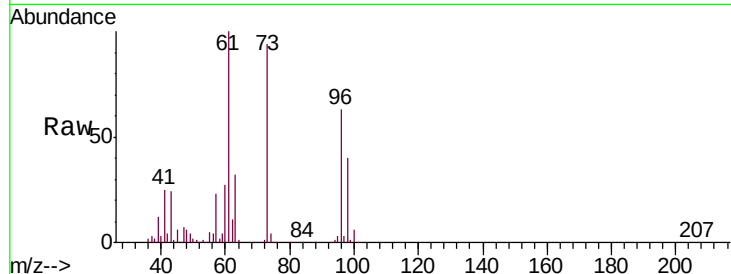




#17
Methyl tert-butyl Ether
Concen: 63.065 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW010909.D
Acq: 21 Jun 2019 22:56

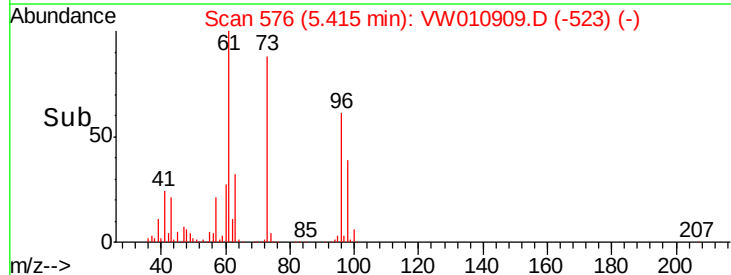
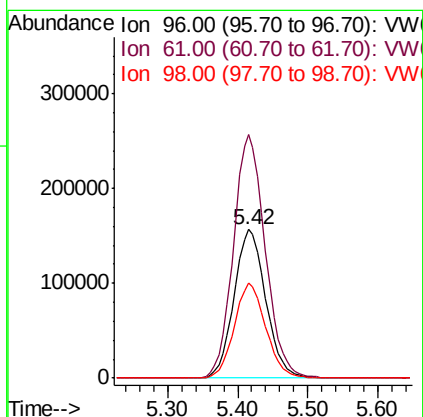
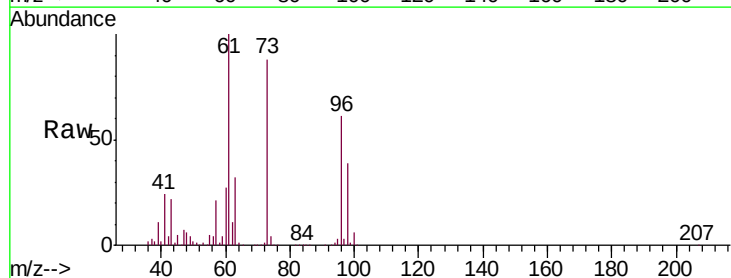
Instrument :
MSVOA_W
ClientSampled :
VSTD10005

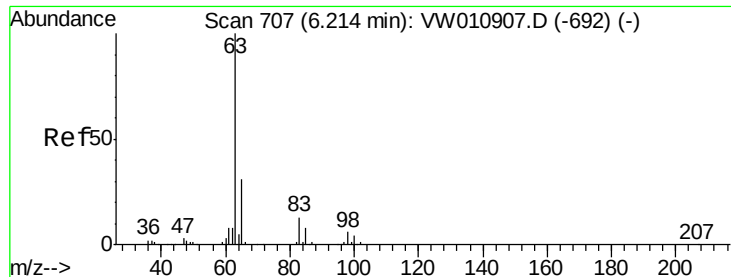
Tgt Ion	Ratio	Lower	Upper
73	100		
43	25.1	20.4	30.6
57	24.1	19.5	29.3



#18
trans-1,2-Dichloroethene
Concen: 105.310 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW010909.D
Acq: 21 Jun 2019 22:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.7	111.7	207.5
98	63.7	43.5	80.9





#19

1,1-Dichloroethane

Concen: 104.942 ug/L

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW010909.D

Acq: 21 Jun 2019 22:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD10005

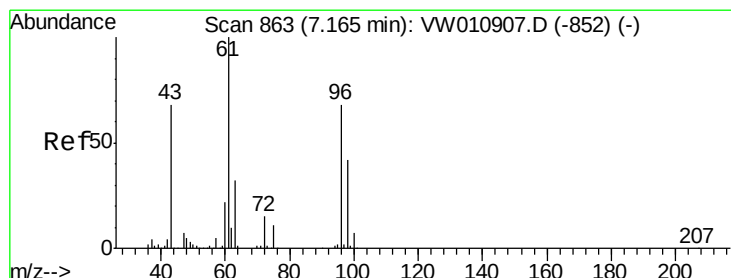
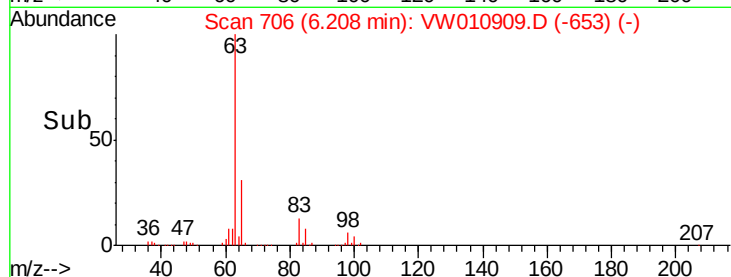
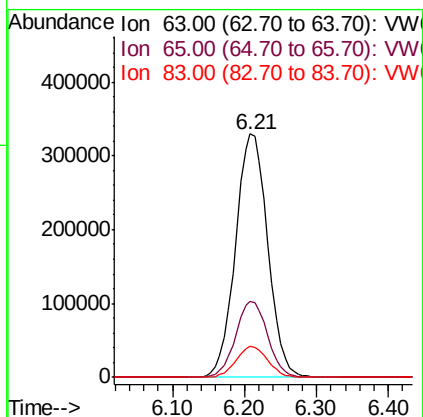
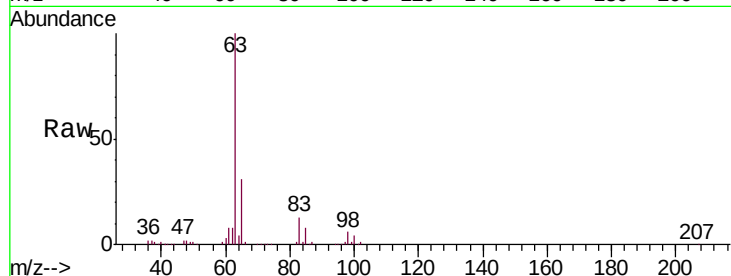
Tgt Ion: 63 Resp: 1020769

Ion Ratio Lower Upper

63 100

65 31.3 21.8 40.4

83 12.6 8.8 16.4



#21

2-Butanone

Concen: 198.067 ug/L

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW010909.D

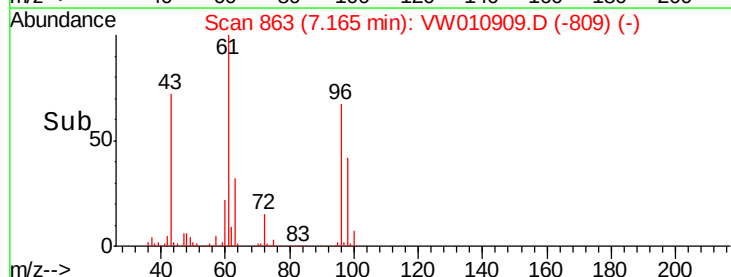
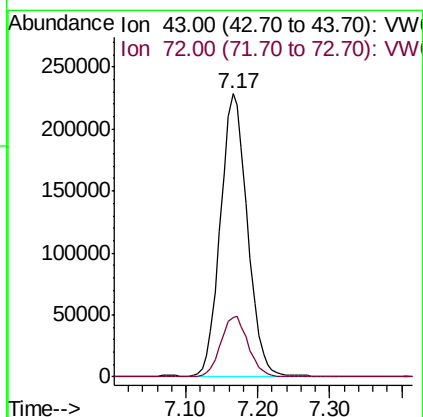
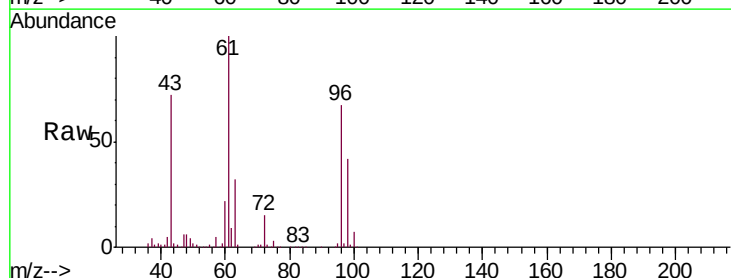
Acq: 21 Jun 2019 22:56

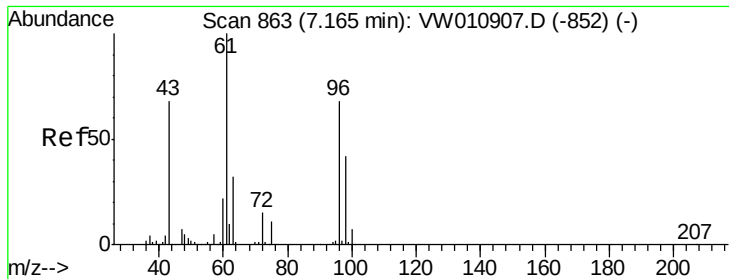
Tgt Ion: 43 Resp: 594696

Ion Ratio Lower Upper

43 100

72 21.8 11.1 33.1



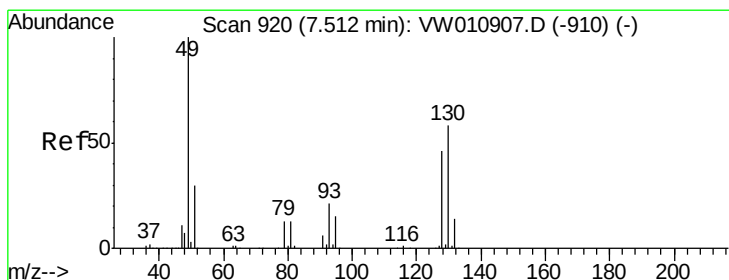
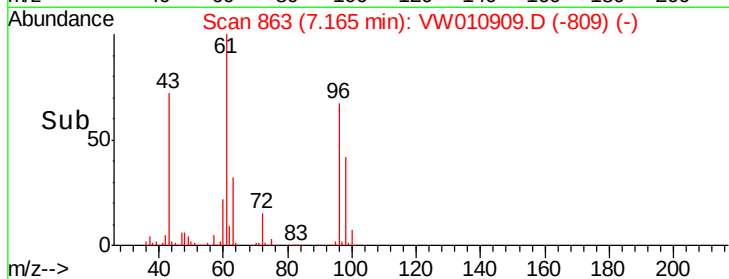
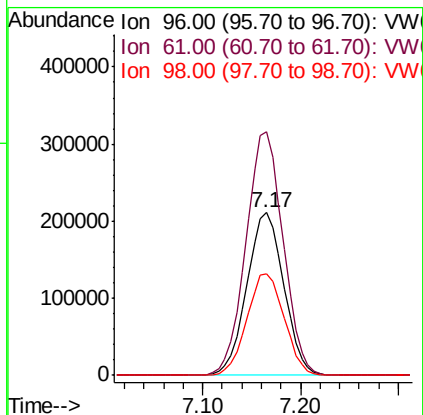
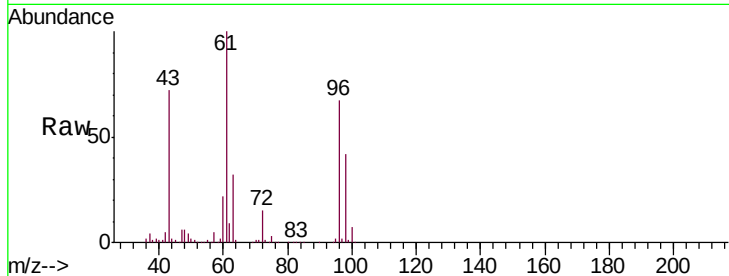


#22

cis-1,2-Dichloroethene
Concen: 104.526 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW010909.D
Acq: 21 Jun 2019 22:56

Instrument :
MSVOA_W
ClientSampleId :
VSTD10005

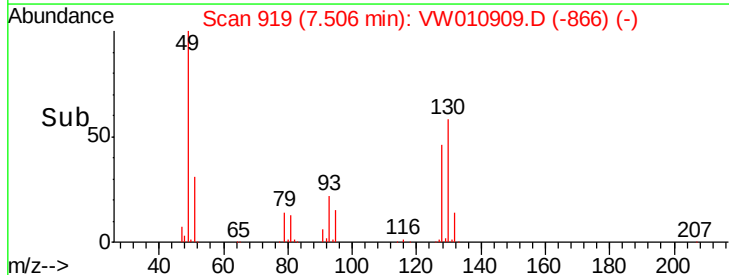
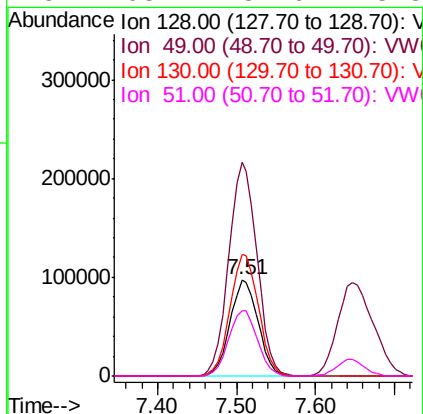
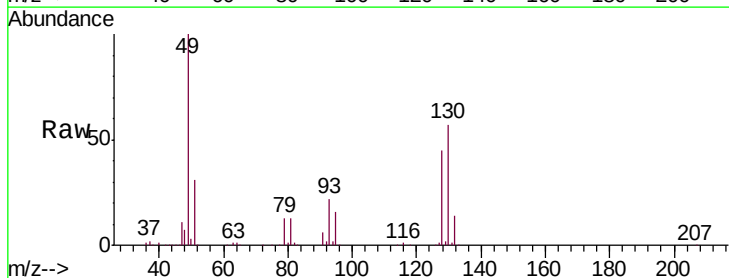
Tgt Ion: 96 Resp: 554551
Ion Ratio Lower Upper
96 100
61 149.5 103.0 191.2
98 62.8 43.5 80.9

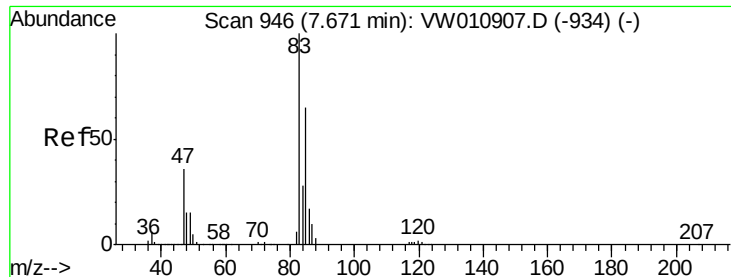


#23

Bromochloromethane
Concen: 108.380 ug/L
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW010909.D
Acq: 21 Jun 2019 22:56

Tgt Ion: 128 Resp: 239447
Ion Ratio Lower Upper
128 100
49 221.3 151.2 280.8
130 125.4 87.8 163.0
51 68.2 52.6 78.8

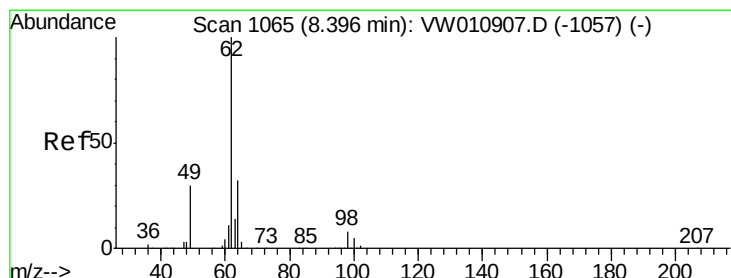
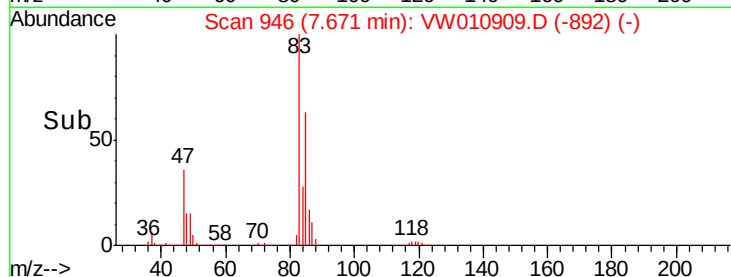
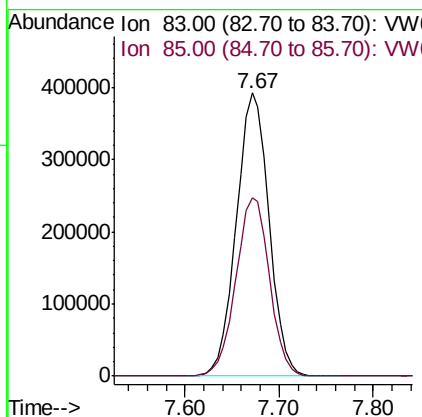
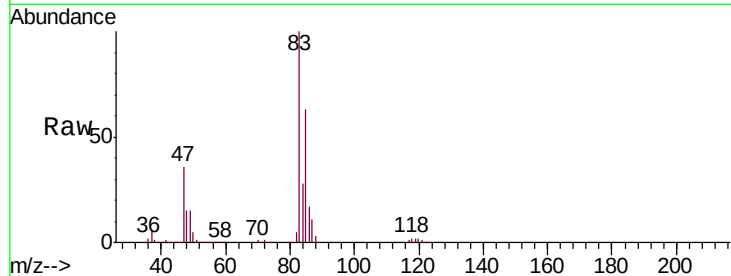




#25
Chloroform
Concen: 87.552 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW010909.D
Acq: 21 Jun 2019 22:56

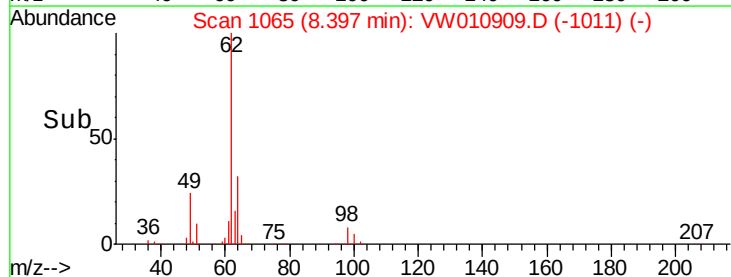
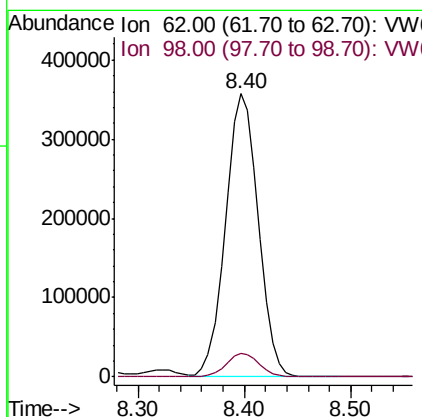
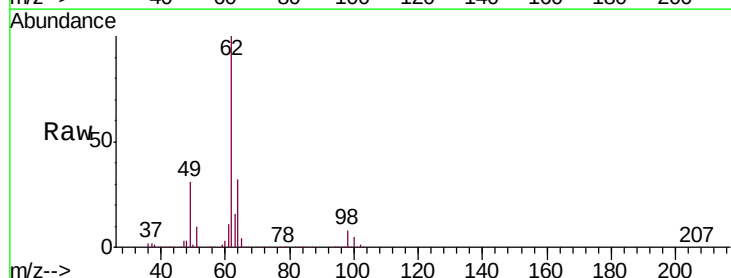
Instrument :
MSVOA_W
ClientSampleId :
VSTD10005

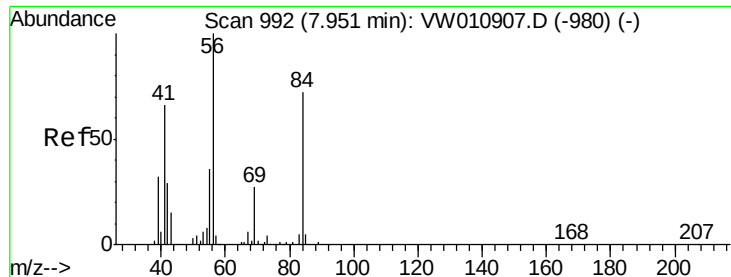
Tgt Ion: 83 Resp: 949577
Ion Ratio Lower Upper
83 100
85 64.9 45.7 84.9



#27
1,2-Dichloroethane
Concen: 106.253 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW010909.D
Acq: 21 Jun 2019 22:56

Tgt Ion: 62 Resp: 768485
Ion Ratio Lower Upper
62 100
98 8.4 6.3 9.5

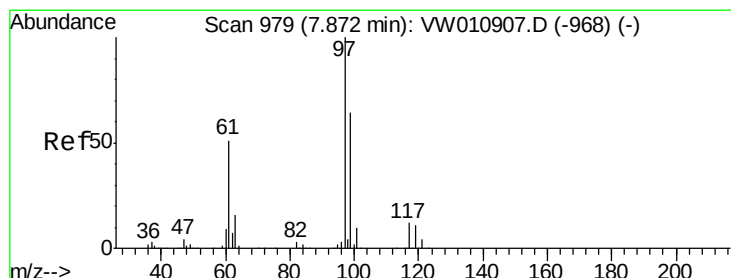
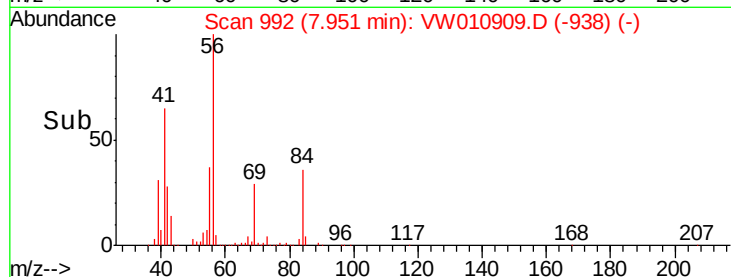
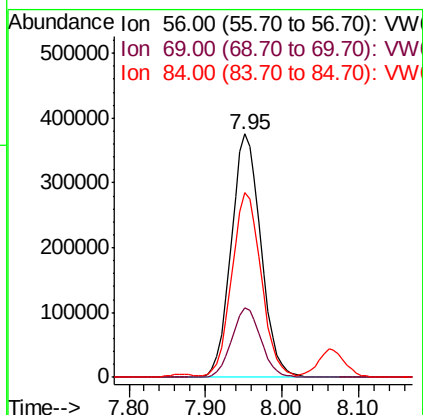
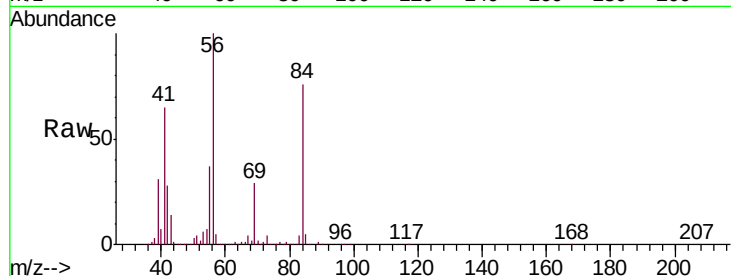




#30
Cyclohexane
Concen: 98.395 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW010909.D
Acq: 21 Jun 2019 22:56

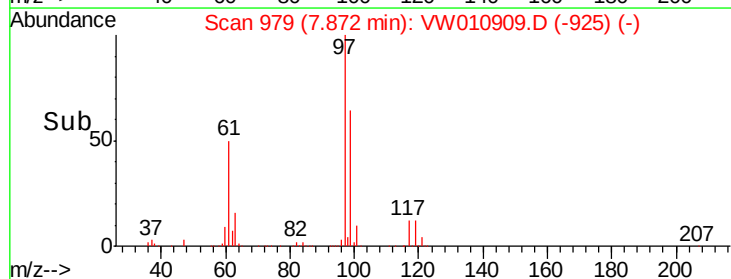
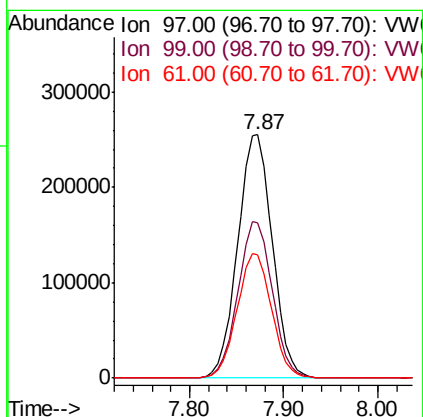
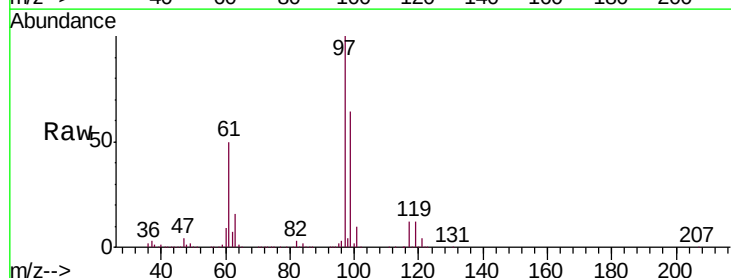
Instrument :
MSVOA_W
ClientSampled :
VSTD10005

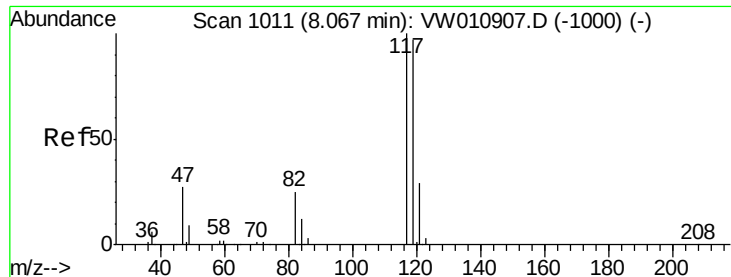
Tgt Ion: 56 Resp: 1005748
Ion Ratio Lower Upper
56 100
69 28.1 22.3 33.5
84 75.5 60.3 90.5



#31
1,1,1-Trichloroethane
Concen: 83.218 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW010909.D
Acq: 21 Jun 2019 22:56

Tgt Ion: 97 Resp: 653338
Ion Ratio Lower Upper
97 100
99 64.0 51.0 76.6
61 50.9 41.6 62.4





#32

Carbon tetrachloride

Concen: 94.039 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW010909.D

Acq: 21 Jun 2019 22:56

Instrument :

MSVOA_W

ClientSampleId :

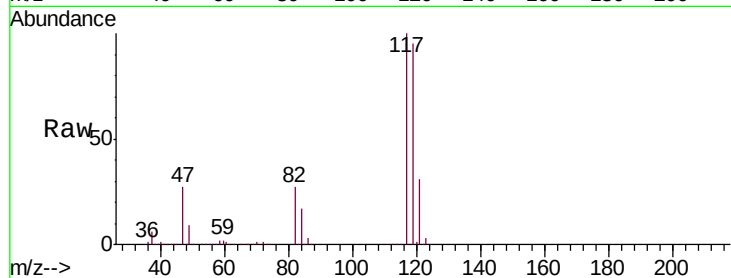
VSTD10005

Tgt Ion:117 Resp: 627147

Ion Ratio Lower Upper

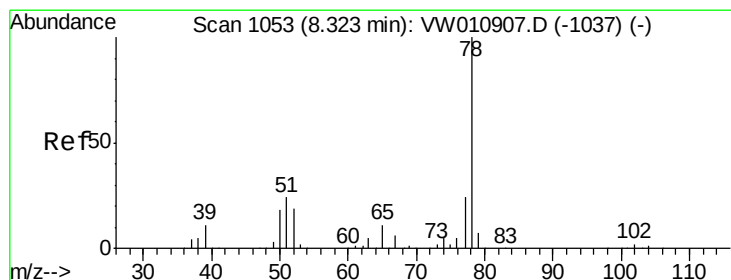
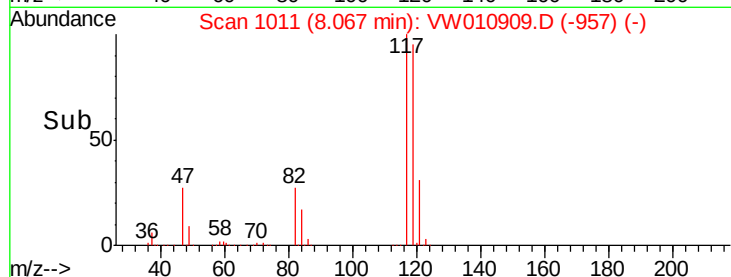
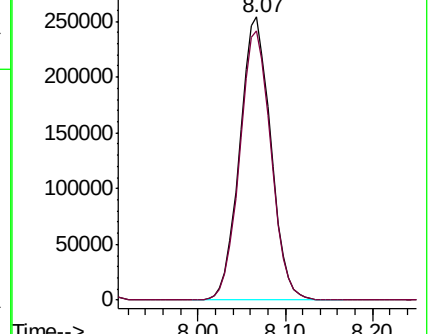
117 100

119 95.7 76.1 114.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 99.307 ug/L

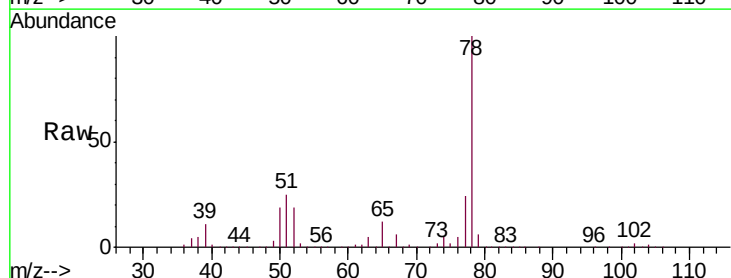
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

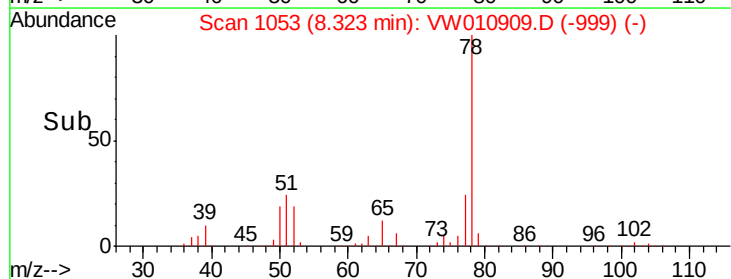
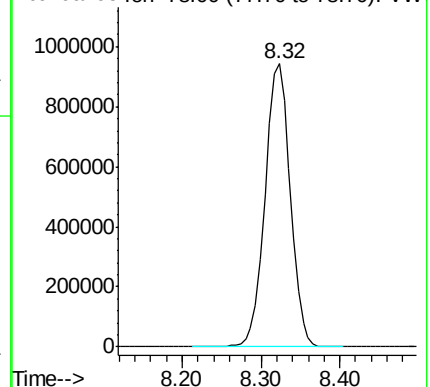
Lab File: VW010909.D

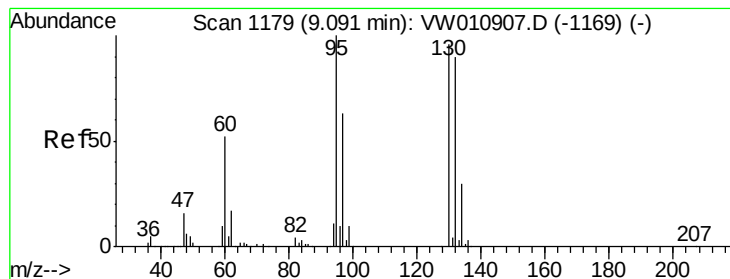
Acq: 21 Jun 2019 22:56

Tgt Ion: 78 Resp: 2102389



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 97.873 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW010909.D

Acq: 21 Jun 2019 22:56

Instrument :

MSVOA_W

ClientSampled :

VSTD10005

Tgt Ion: 95 Resp: 528975

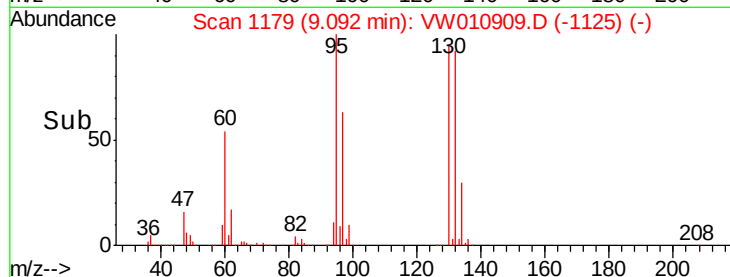
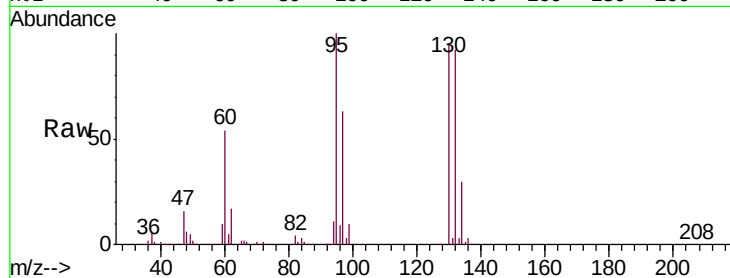
Ion Ratio Lower Upper

95 100

97 63.9 44.5 82.7

132 91.8 63.6 118.2

130 96.1 66.8 124.0

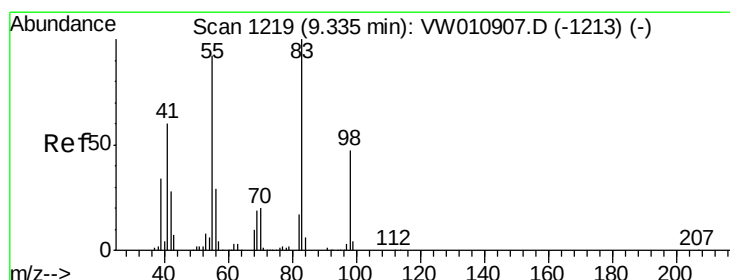
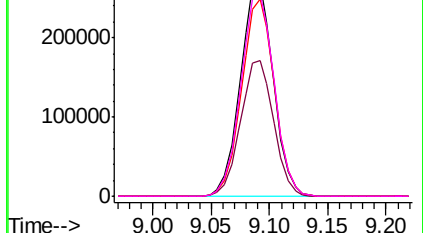


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 97.184 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW010909.D

Acq: 21 Jun 2019 22:56

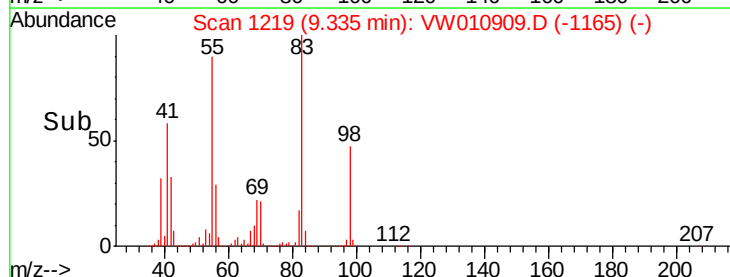
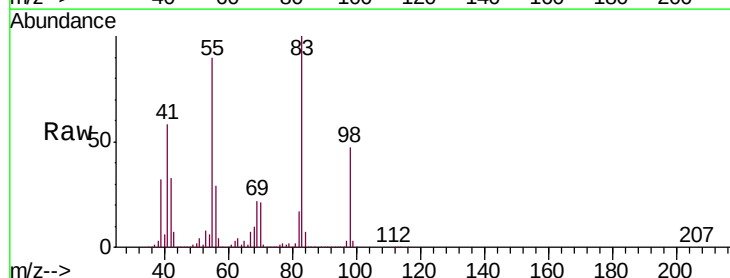
Tgt Ion: 83 Resp: 932248

Ion Ratio Lower Upper

83 100

55 90.5 72.6 109.0

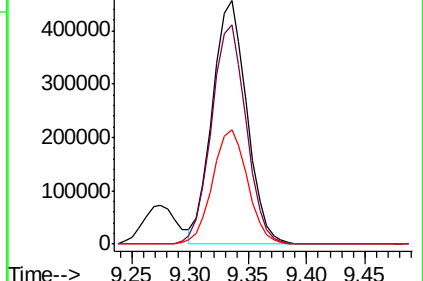
98 47.6 37.9 56.9

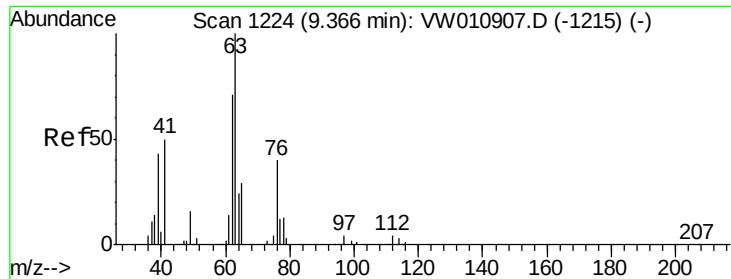


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

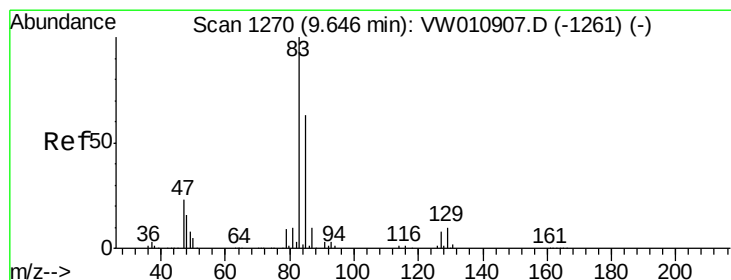
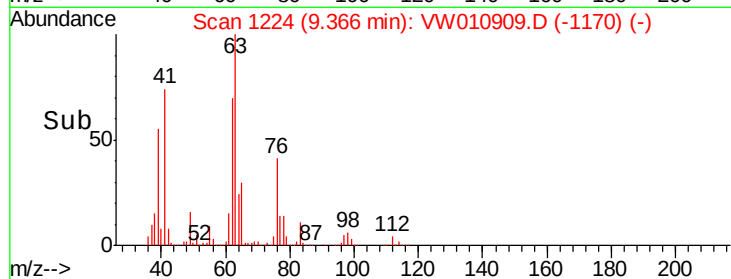
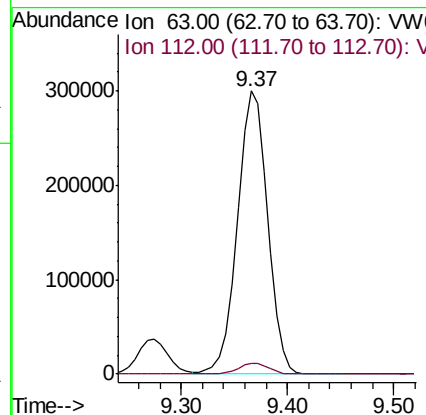
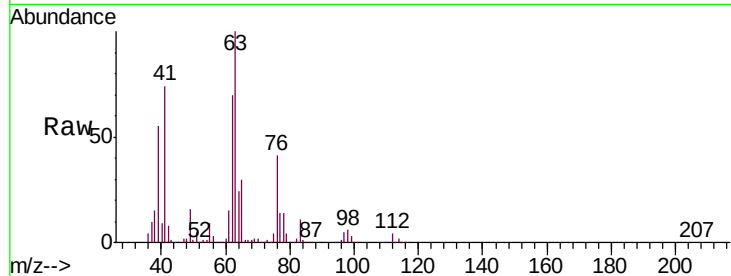




#40
 1,2-Dichloropropane
 Concen: 101.302 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW010909.D
 Acq: 21 Jun 2019 22:56

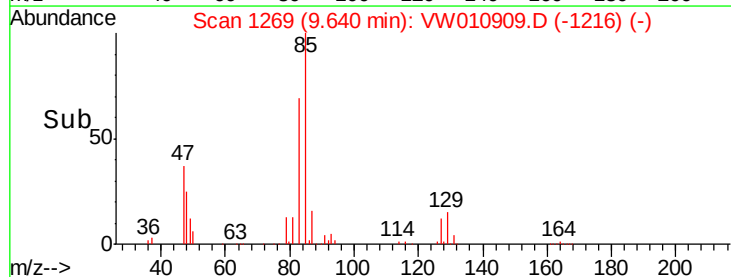
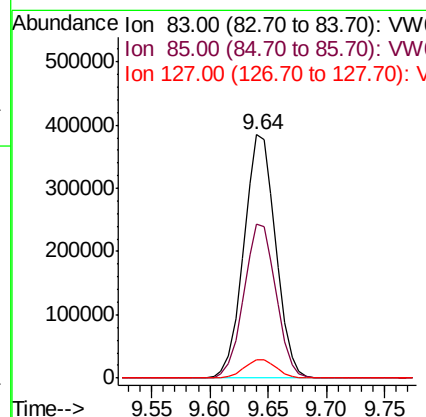
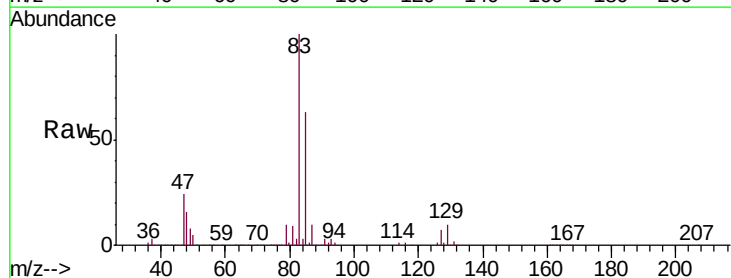
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10005

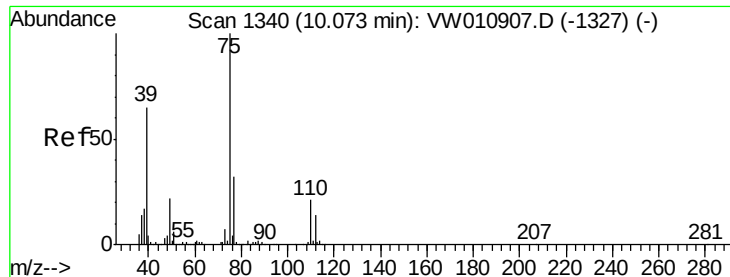
Tgt Ion: 63 Resp: 597157
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.2 4.8



#41
 Bromodichloromethane
 Concen: 106.386 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VW010909.D
 Acq: 21 Jun 2019 22:56

Tgt Ion: 83 Resp: 734392
 Ion Ratio Lower Upper
 83 100
 85 63.3 43.8 81.4
 127 7.5 6.2 9.4





#42

cis-1,3-Dichloropropene

Concen: 107.128 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010909.D

Acq: 21 Jun 2019 22:56

Instrument :

MSVOA_W

ClientSampleId :

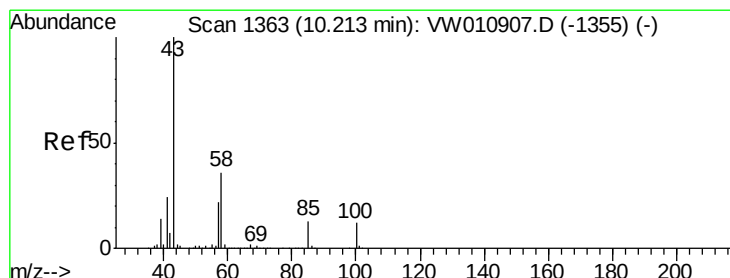
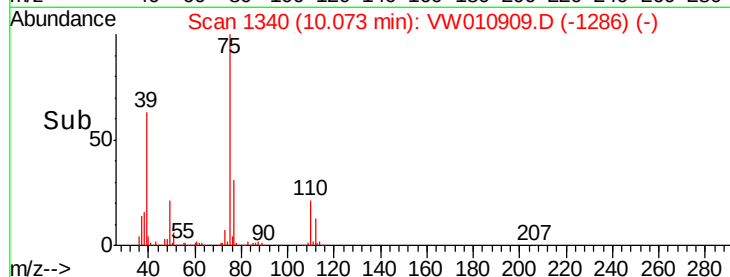
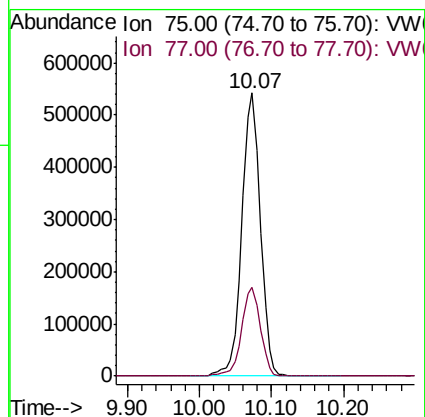
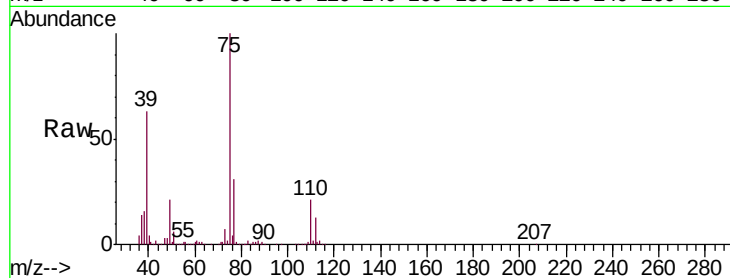
VSTD10005

Tgt Ion: 75 Resp: 964783

Ion Ratio Lower Upper

75 100

77 31.3 22.3 41.5



#43

4-Methyl-2-pentanone

Concen: 223.245 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW010909.D

Acq: 21 Jun 2019 22:56

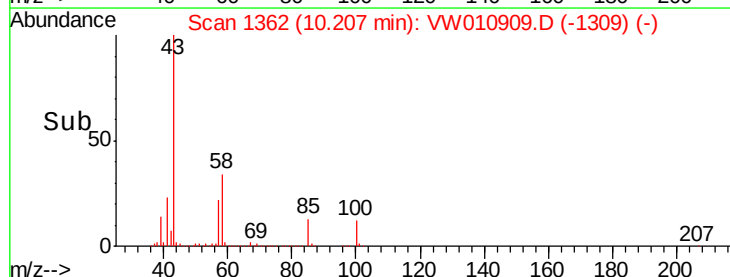
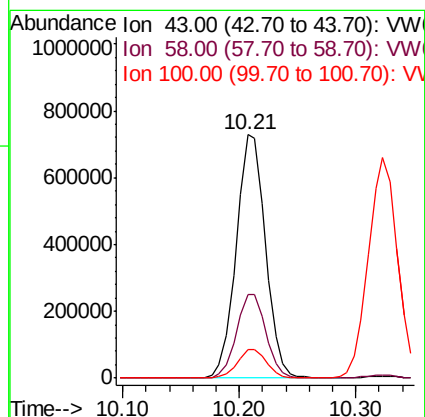
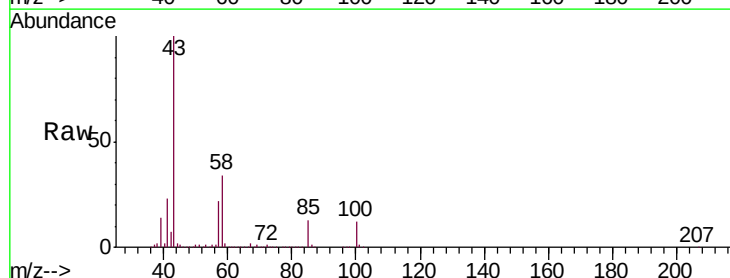
Tgt Ion: 43 Resp: 1275949

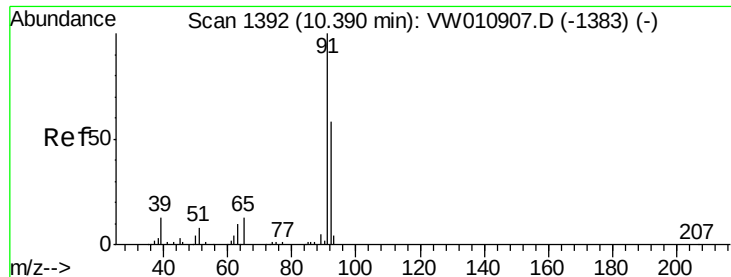
Ion Ratio Lower Upper

43 100

58 34.6 27.9 41.9

100 11.9 9.4 14.2





#44

Toluene

Concen: 100.616 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW010909.D

Acq: 21 Jun 2019 22:56

Instrument :

MSVOA_W

ClientSampleId :

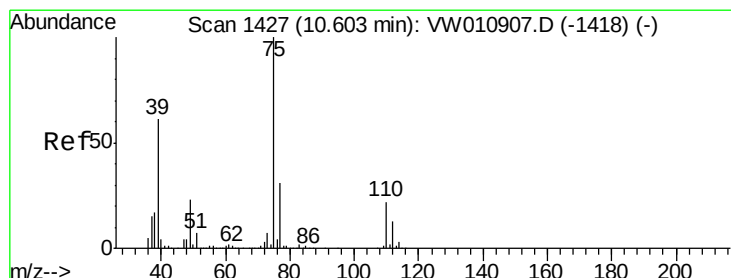
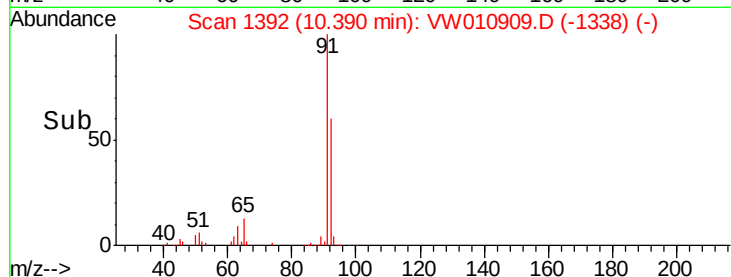
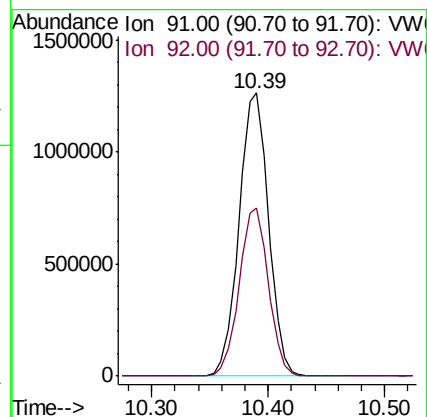
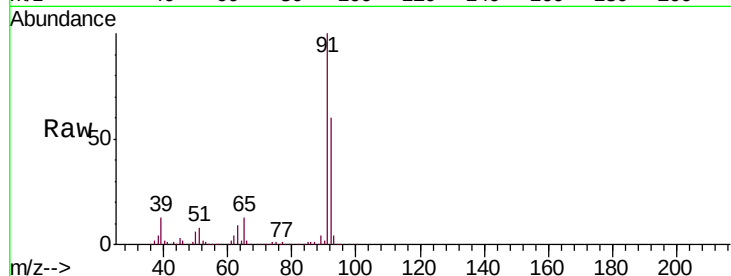
VSTD10005

Tgt Ion: 91 Resp: 2231560

Ion Ratio Lower Upper

91 100

92 59.5 40.5 75.3



#45

trans-1,3-Dichloropropene

Concen: 108.297 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010909.D

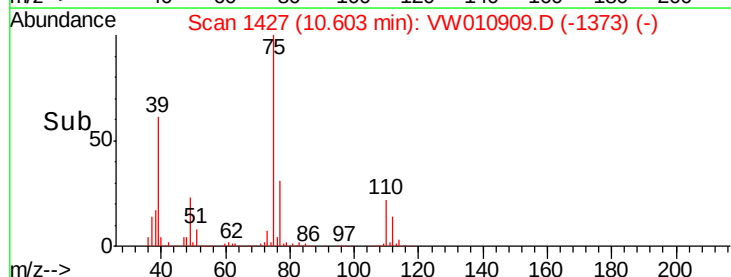
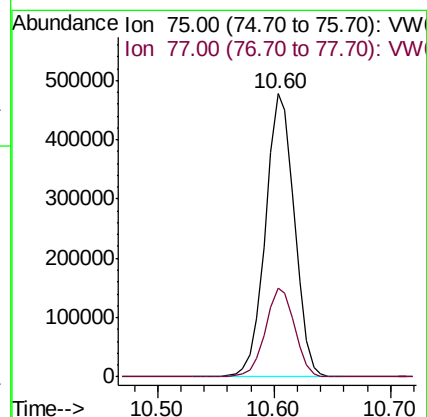
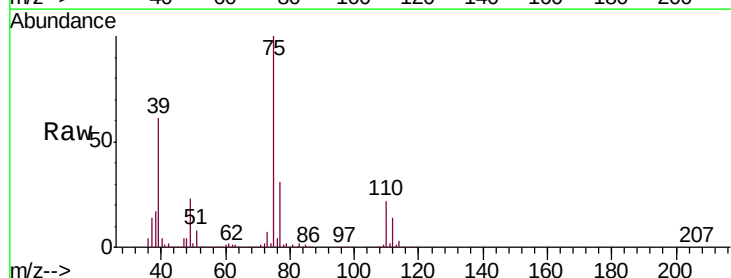
Acq: 21 Jun 2019 22:56

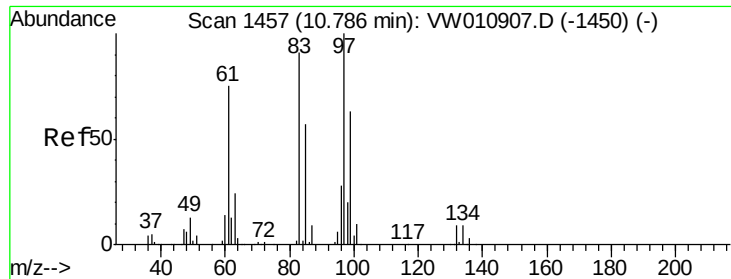
Tgt Ion: 75 Resp: 818670

Ion Ratio Lower Upper

75 100

77 31.4 21.5 39.9

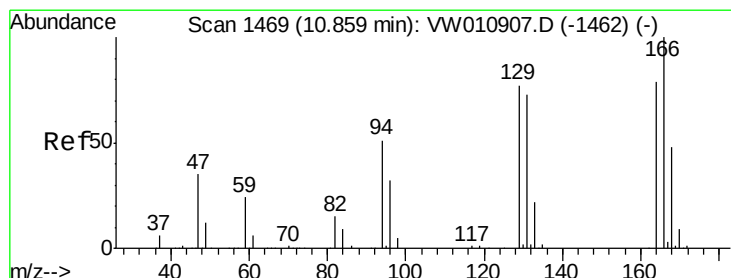
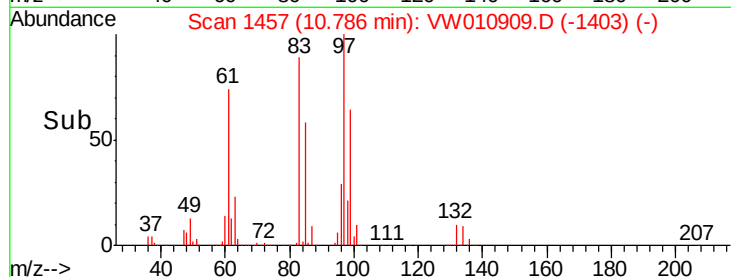
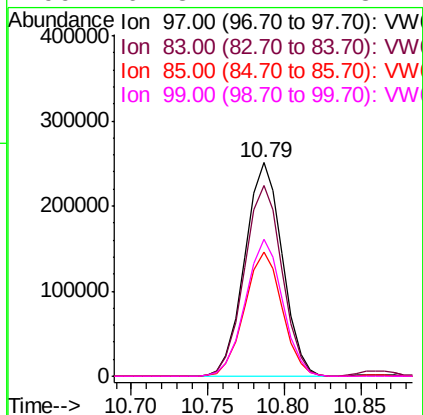
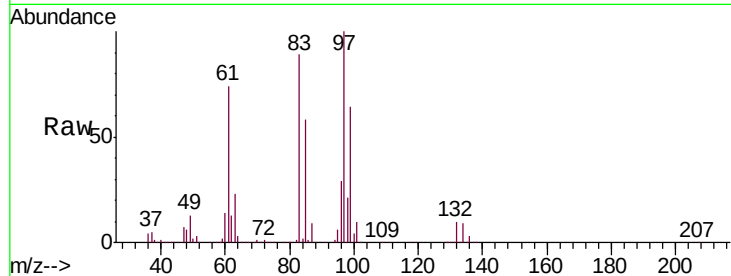




#46
1,1,2-Trichloroethane
Concen: 102.581 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. 0.00 min
Lab File: VW010909.D
Acq: 21 Jun 2019 22:56

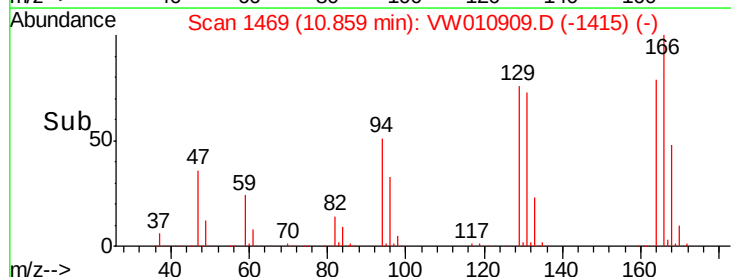
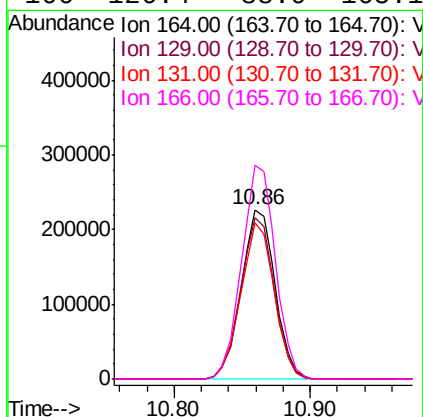
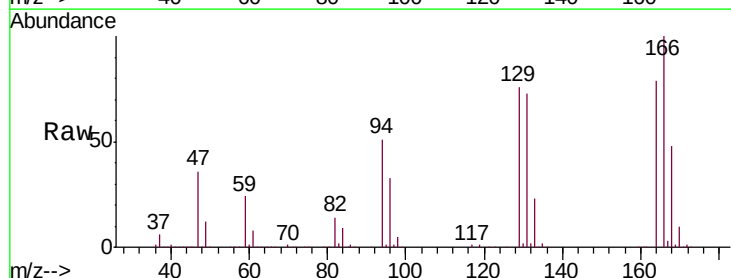
Instrument :
MSVOA_W
ClientSampleId :
VSTD10005

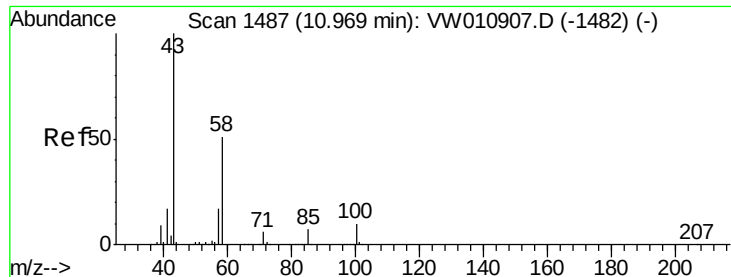
Tgt Ion:	97	Resp:	430260
Ion	Ratio	Lower	Upper
97	100		
83	89.5	63.5	117.9
85	58.2	39.9	74.1
99	64.3	44.4	82.4



#47
Tetrachloroethene
Concen: 97.327 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010909.D
Acq: 21 Jun 2019 22:56

Tgt Ion:	164	Resp:	392480
Ion	Ratio	Lower	Upper
164	100		
129	95.7	68.5	127.3
131	92.2	65.3	121.3
166	126.4	88.9	165.1





#49

2-Hexanone

Concen: 216.829 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW010909.D

Acq: 21 Jun 2019 22:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD10005

Tgt Ion: 43 Resp: 900363

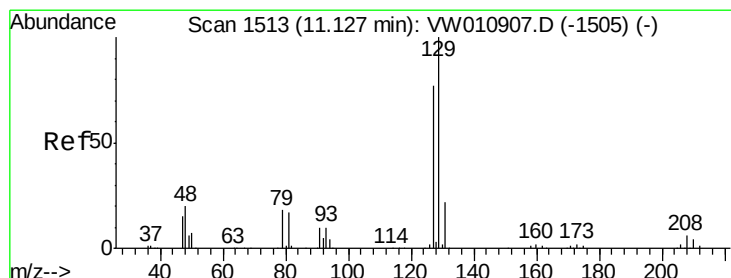
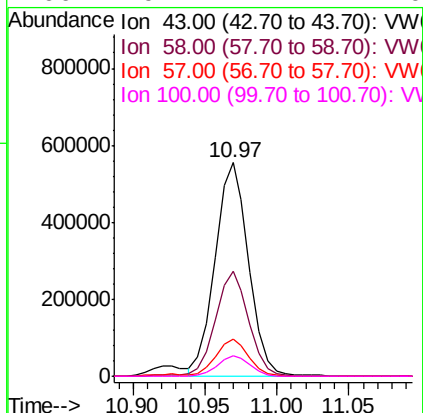
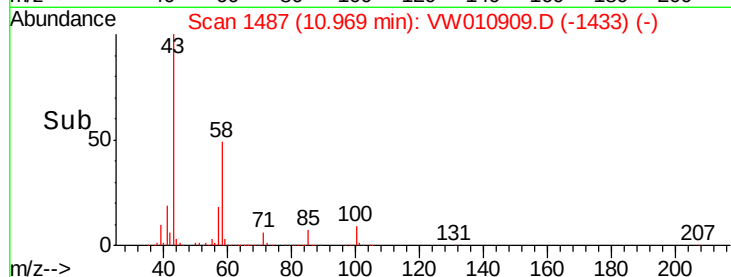
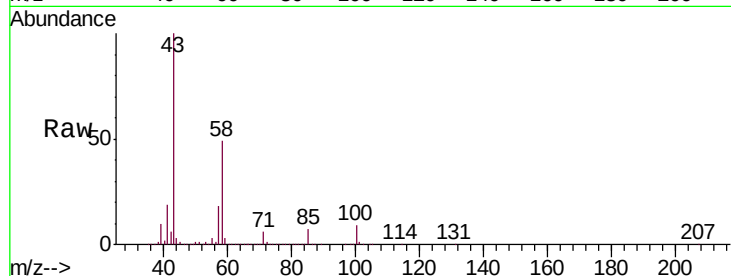
Ion Ratio Lower Upper

43 100

58 49.3 38.2 57.2

57 17.3 13.5 20.3

100 9.4 7.4 11.0



#50

Dibromochloromethane

Concen: 107.662 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW010909.D

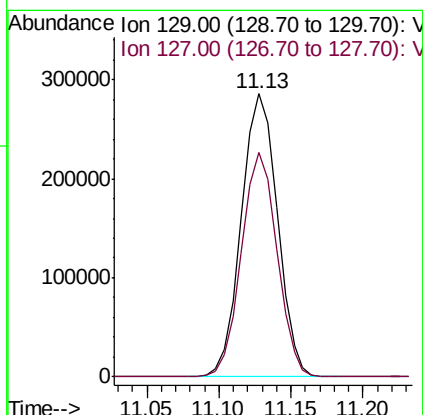
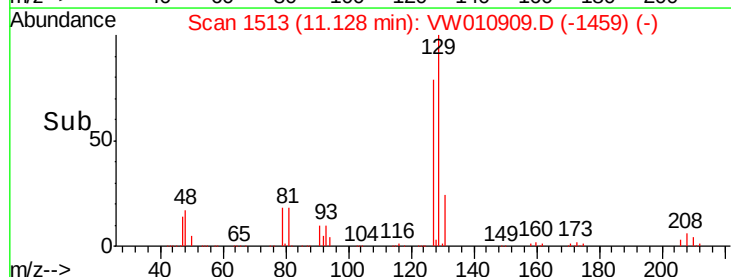
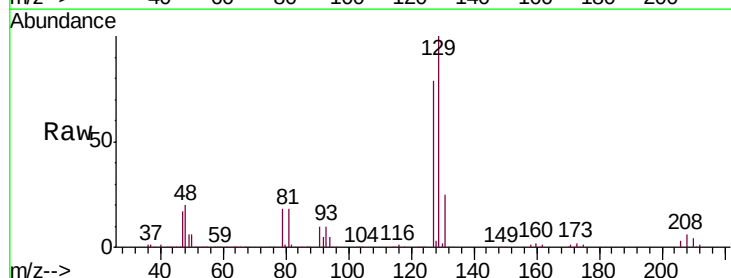
Acq: 21 Jun 2019 22:56

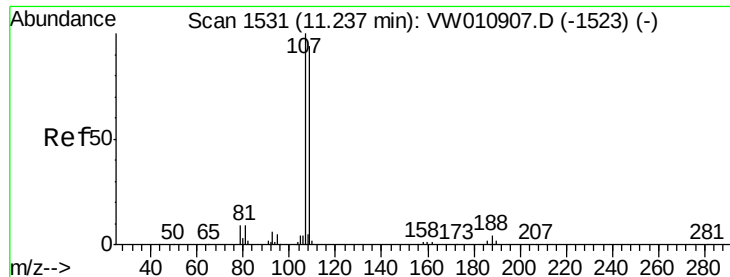
Tgt Ion: 129 Resp: 497283

Ion Ratio Lower Upper

129 100

127 79.3 53.5 99.5

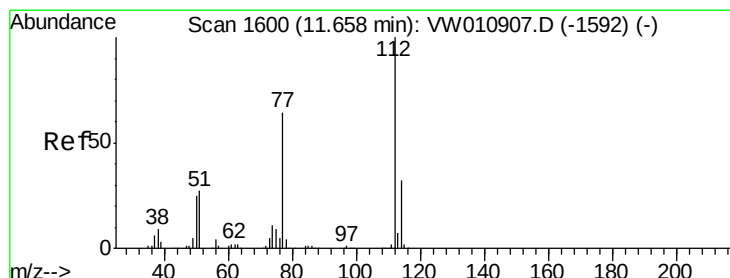
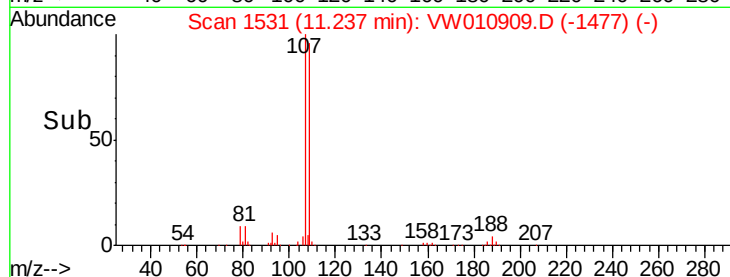
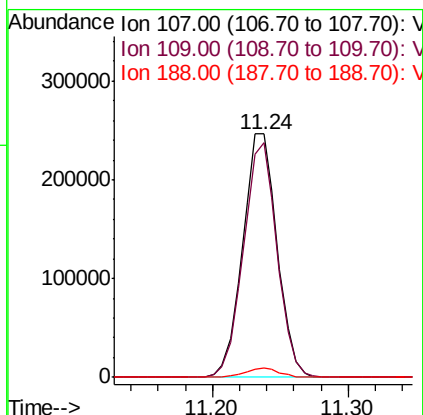
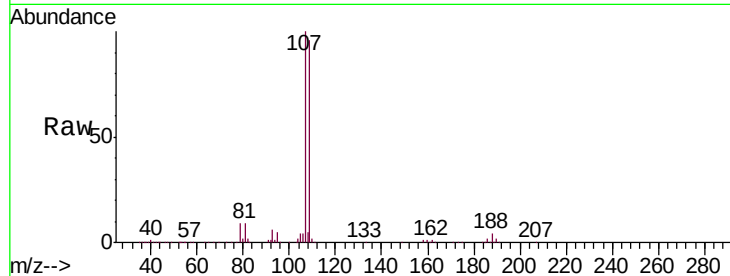




#51
1,2-Dibromoethane
Concen: 107.326 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW010909.D
Acq: 21 Jun 2019 22:56

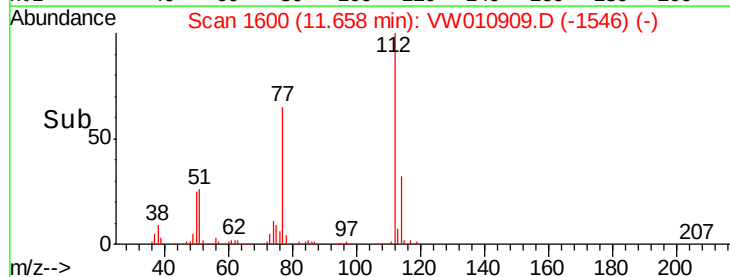
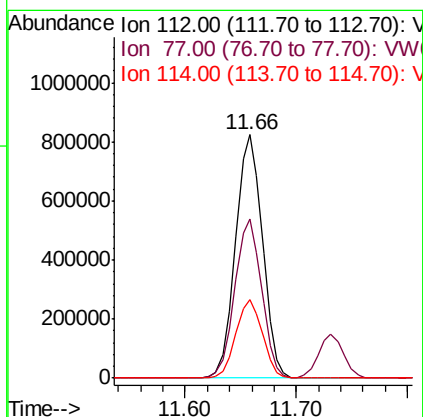
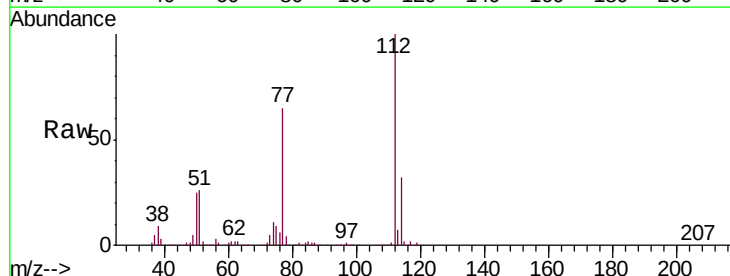
Instrument :
MSVOA_W
ClientSampleId :
VSTD10005

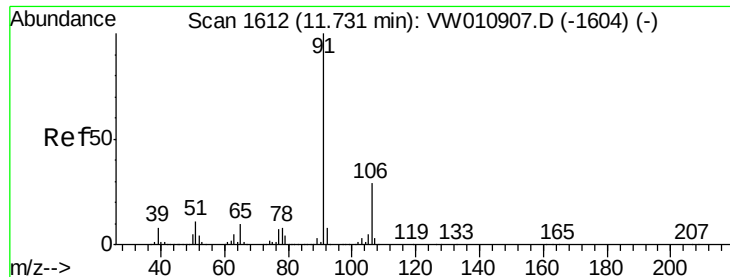
Tgt Ion	Ratio	Lower	Upper
107	100		
109	96.4	65.7	121.9
188	4.0	3.0	4.4



#52
Chlorobenzene
Concen: 100.195 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW010909.D
Acq: 21 Jun 2019 22:56

Tgt Ion	Ratio	Lower	Upper
112	100		
77	65.2	51.4	77.0
114	32.2	22.5	41.9





#53

Ethylbenzene

Concen: 100.423 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW010909.D

Acq: 21 Jun 2019 22:56

Instrument :

MSVOA_W

ClientSampleId :

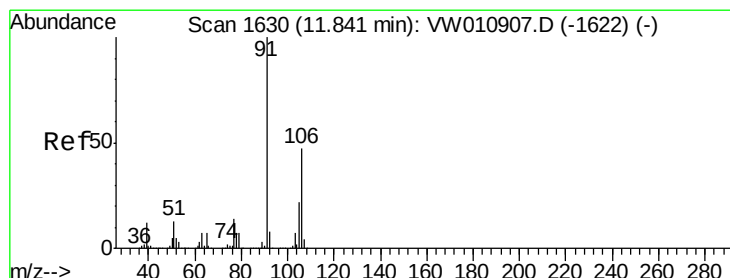
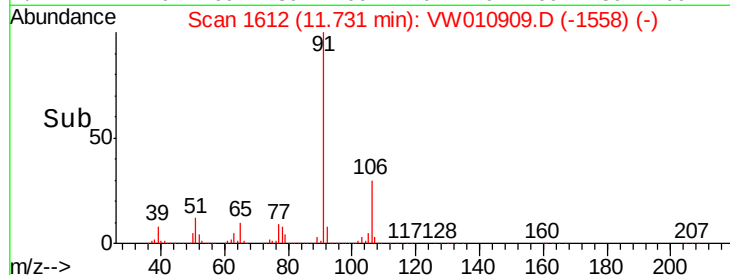
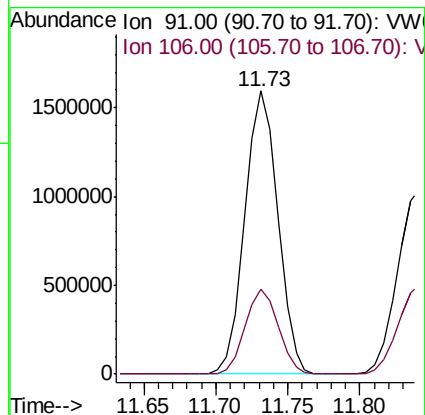
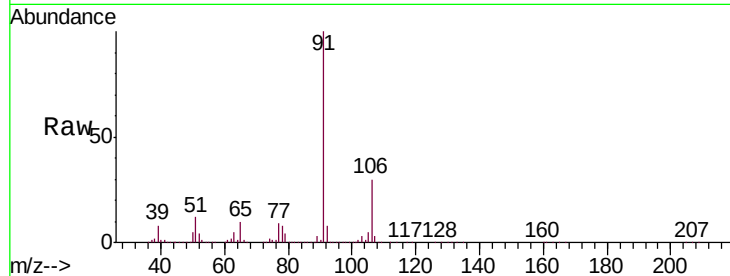
VSTD10005

Tgt Ion: 91 Resp: 2533257

Ion Ratio Lower Upper

91 100

106 30.0 20.6 38.2



#54

m,p-Xylene

Concen: 101.791 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW010909.D

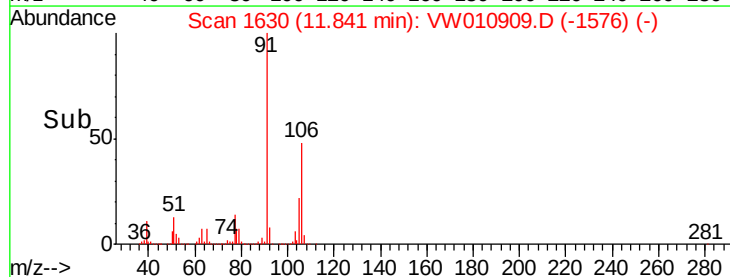
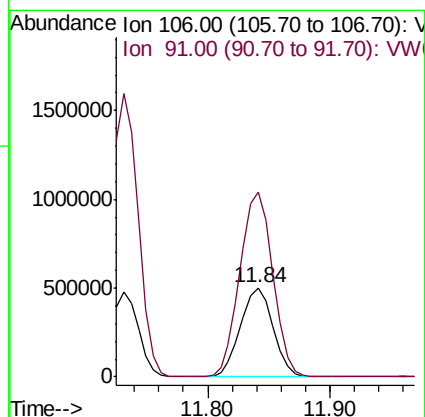
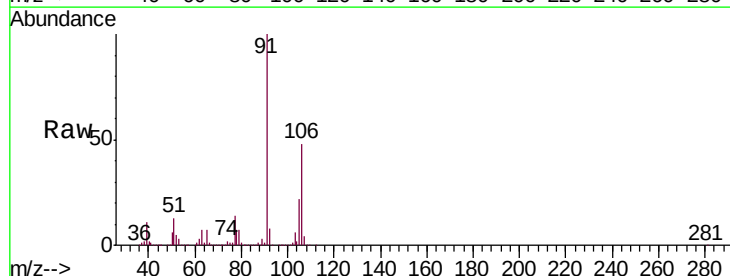
Acq: 21 Jun 2019 22:56

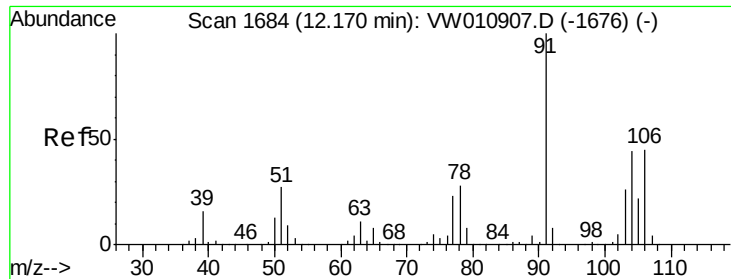
Tgt Ion: 106 Resp: 929261

Ion Ratio Lower Upper

106 100

91 207.2 148.3 275.3





#55

o-xylene

Concen: 103.626 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW010909.D

Acq: 21 Jun 2019 22:56

Instrument :

MSVOA_W

ClientSampled :

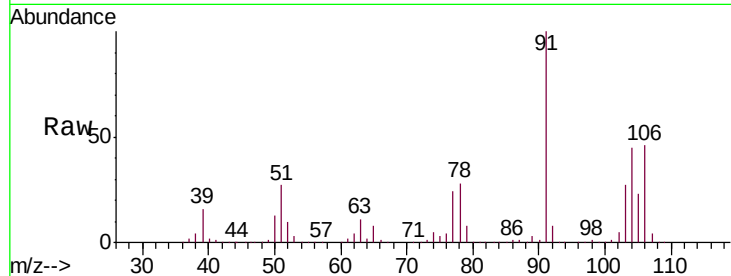
VSTD10005

Tgt Ion:106 Resp: 917030

Ion Ratio Lower Upper

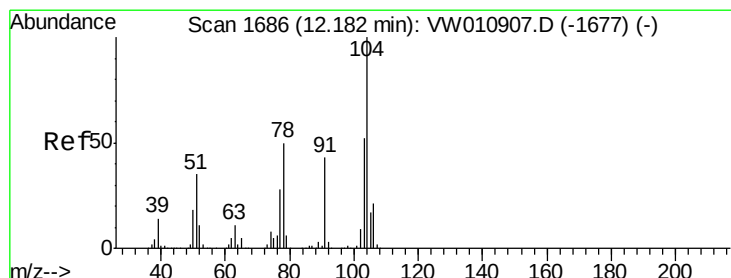
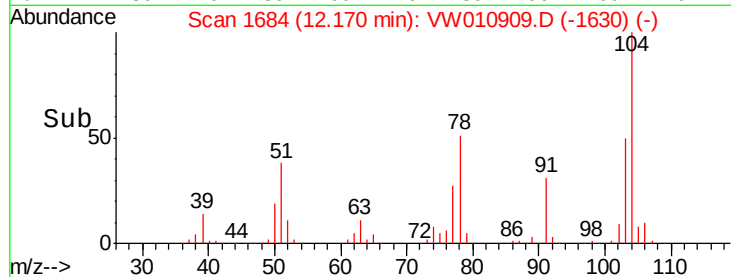
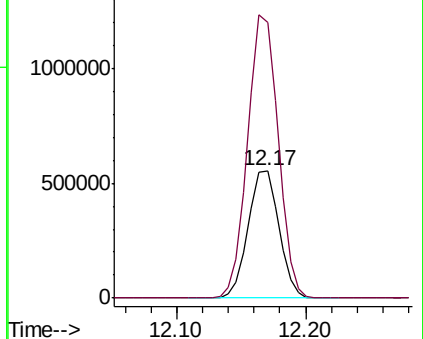
106 100

91 216.4 157.1 291.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 103.712 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW010909.D

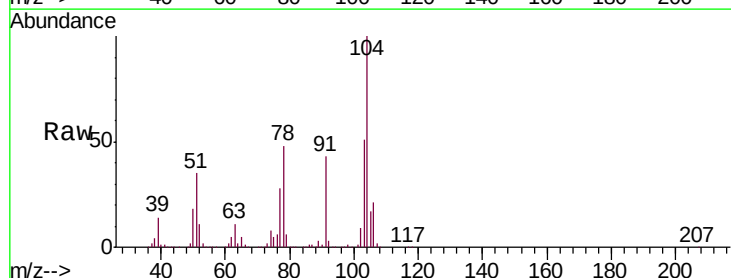
Acq: 21 Jun 2019 22:56

Tgt Ion:104 Resp: 1597297

Ion Ratio Lower Upper

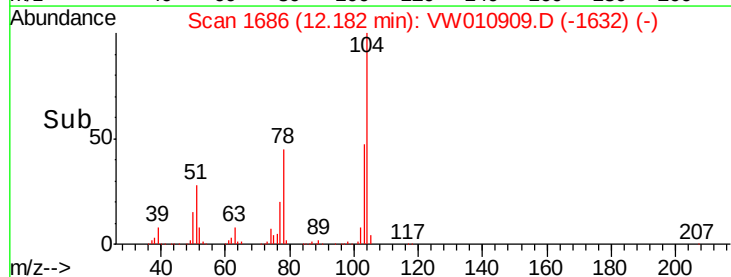
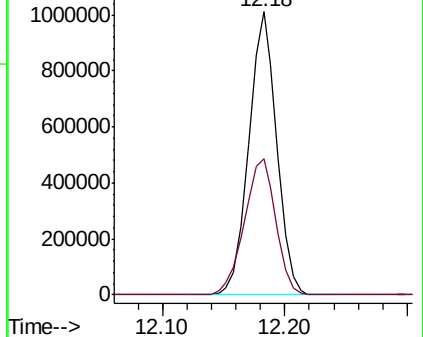
104 100

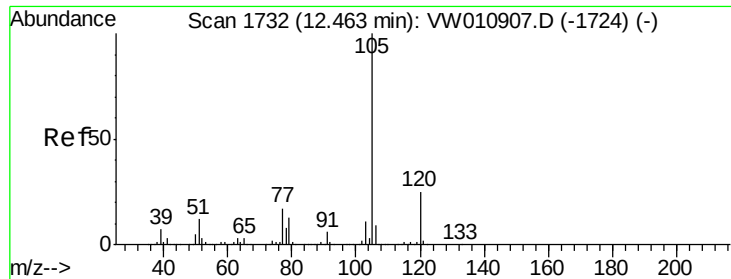
78 48.3 34.8 64.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 99.284 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW010909.D

Acq: 21 Jun 2019 22:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD10005

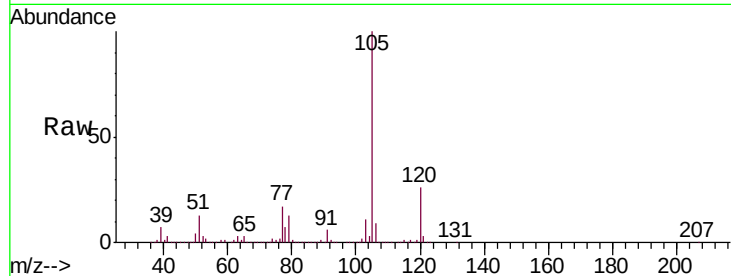
Tgt Ion: 105 Resp: 2388079

Ion Ratio Lower Upper

105 100

120 25.8 20.3 30.5

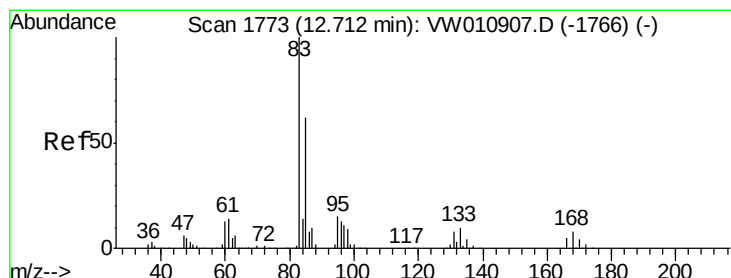
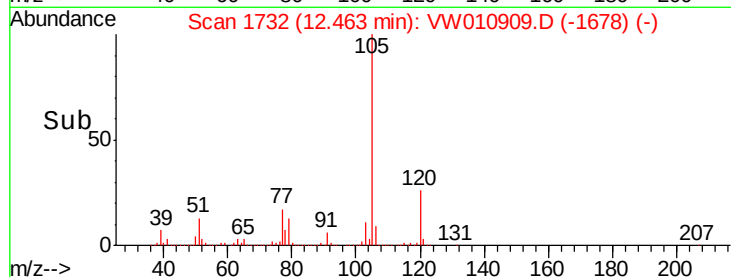
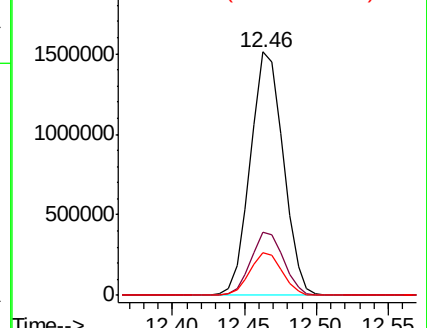
77 17.1 13.6 20.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 105.505 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010909.D

Acq: 21 Jun 2019 22:56

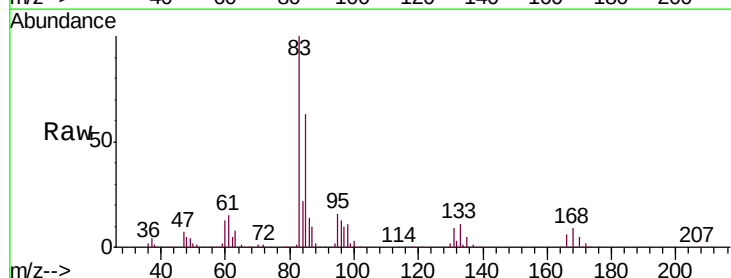
Tgt Ion: 83 Resp: 592790

Ion Ratio Lower Upper

83 100

85 63.3 43.8 81.3

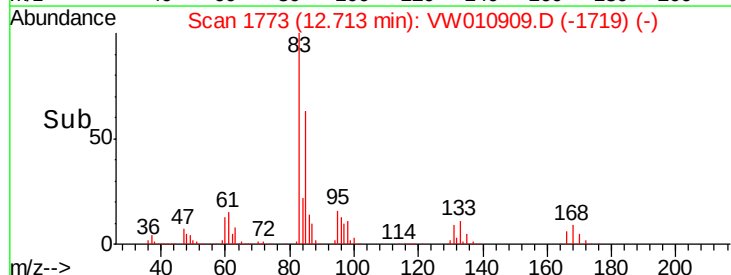
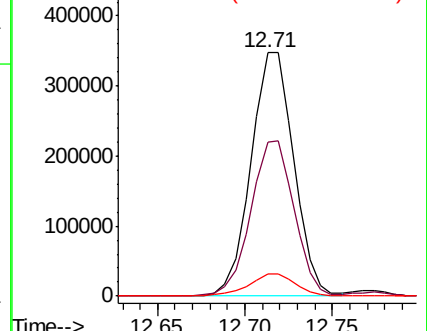
131 9.2 6.9 10.3

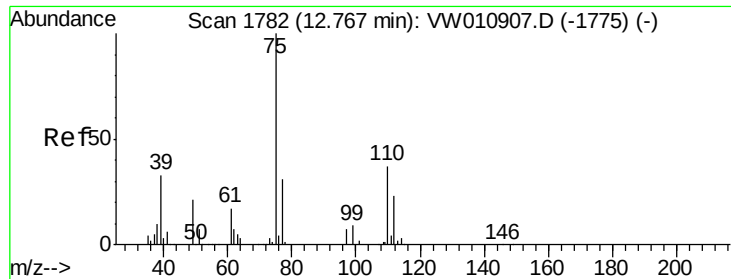


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 104.245 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW010909.D

Acq: 21 Jun 2019 22:56

Instrument :

MSVOA_W

ClientSampled :

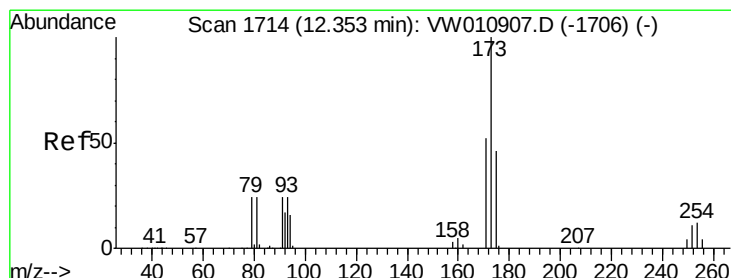
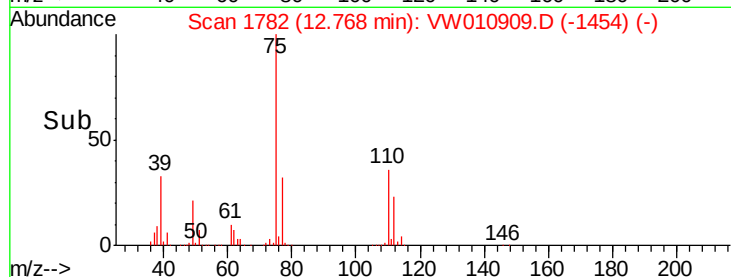
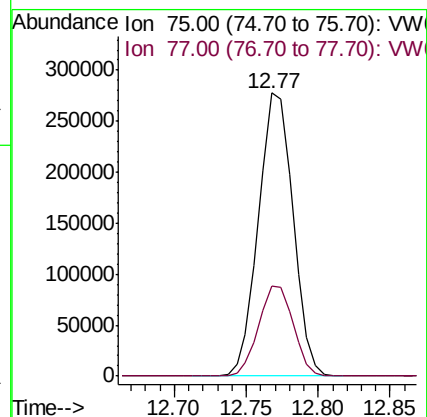
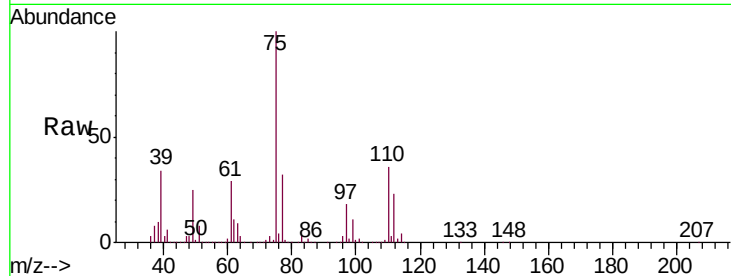
VSTD10005

Tgt Ion: 75 Resp: 462545

Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.2



#62

Bromoform

Concen: 108.345 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW010909.D

Acq: 21 Jun 2019 22:56

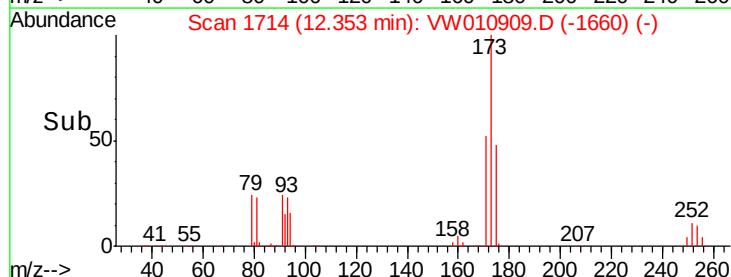
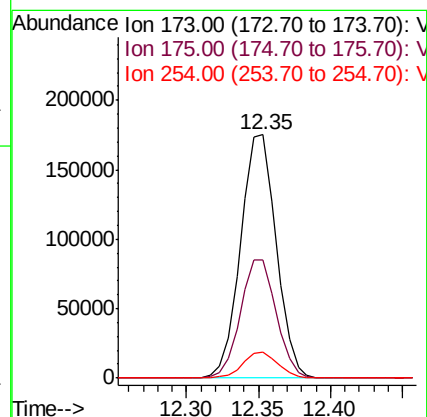
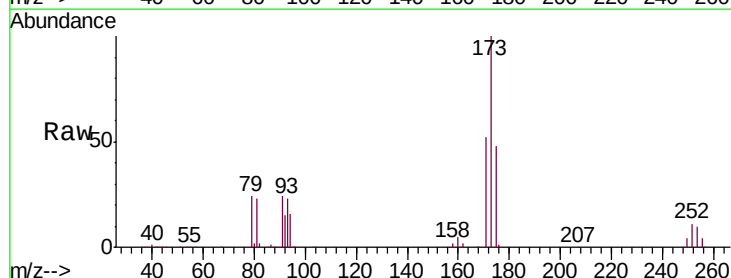
Tgt Ion: 173 Resp: 301200

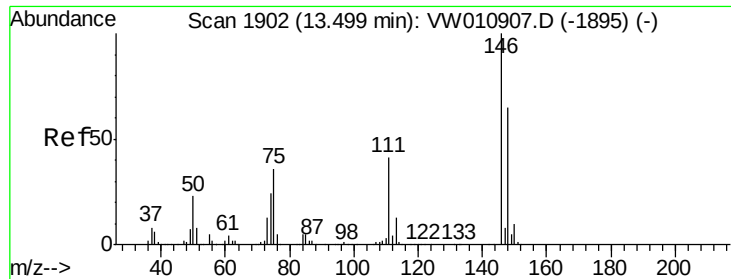
Ion Ratio Lower Upper

173 100

175 48.7 38.2 57.2

254 10.4 8.5 12.7

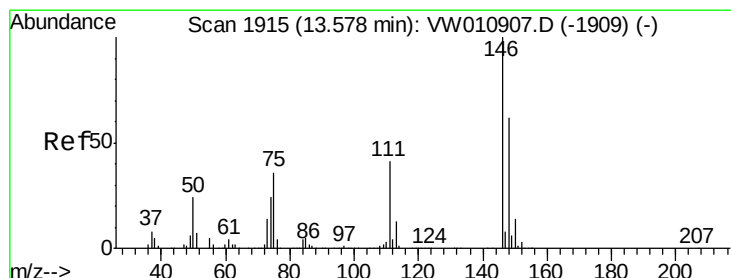
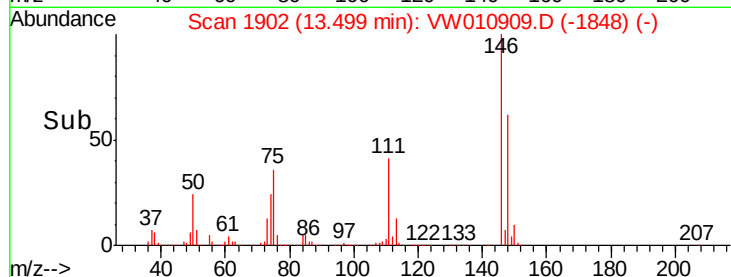
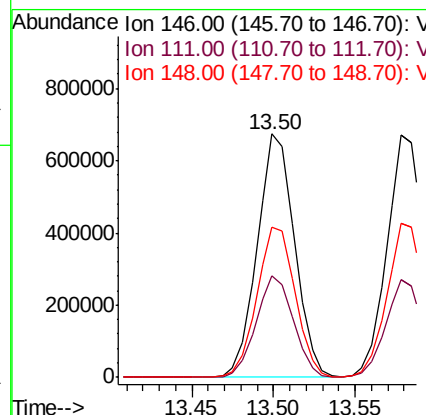
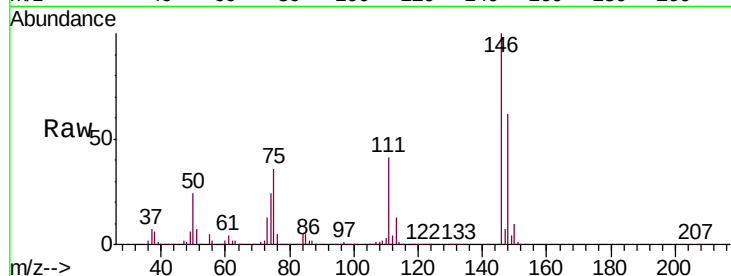




#63
 1,3-Dichlorobenzene
 Concen: 100.196 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010909.D
 Acq: 21 Jun 2019 22:56

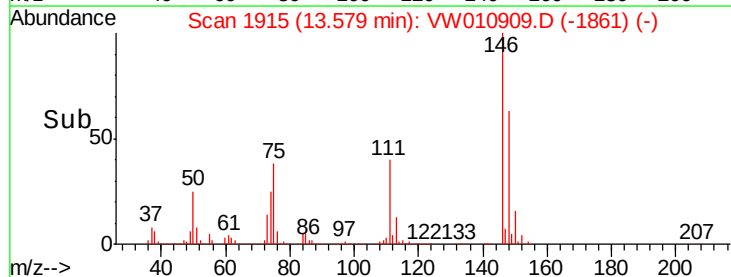
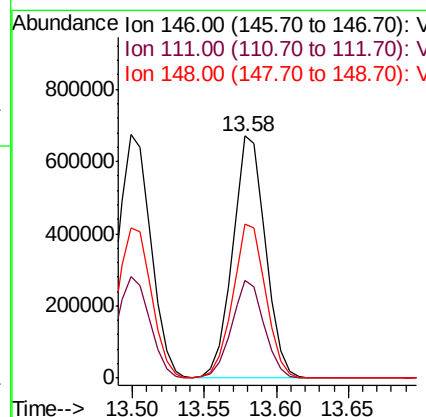
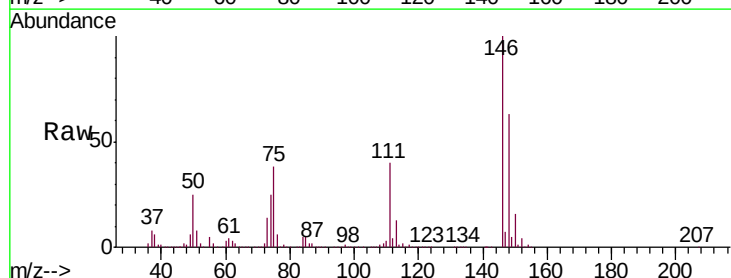
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10005

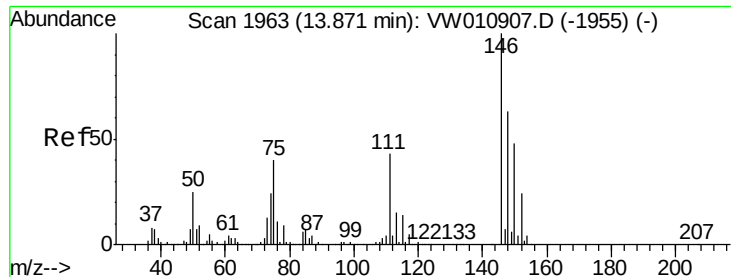
Tgt Ion:146 Resp: 1071881
 Ion Ratio Lower Upper
 146 100
 111 41.5 28.8 53.6
 148 61.8 45.4 84.4



#64
 1,4-Dichlorobenzene
 Concen: 98.053 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW010909.D
 Acq: 21 Jun 2019 22:56

Tgt Ion:146 Resp: 1066689
 Ion Ratio Lower Upper
 146 100
 111 40.2 28.7 53.3
 148 63.4 43.8 81.3

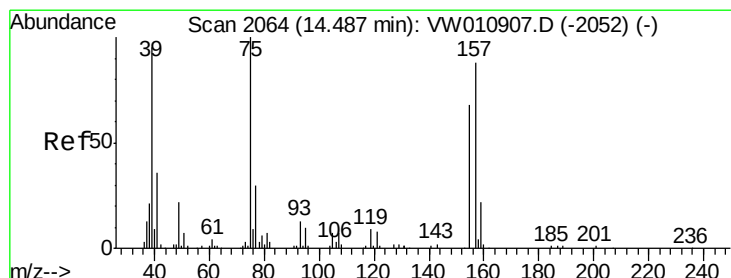
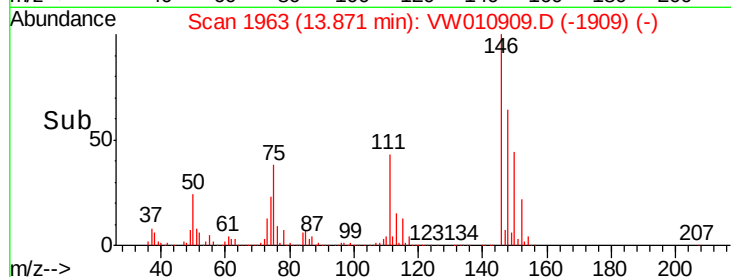
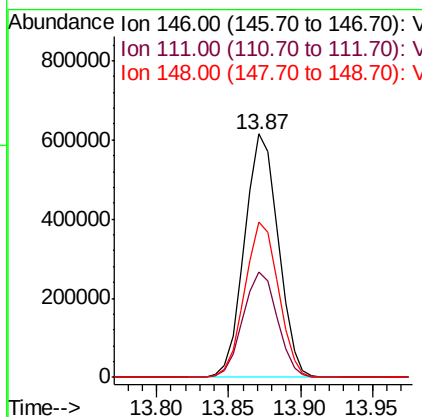
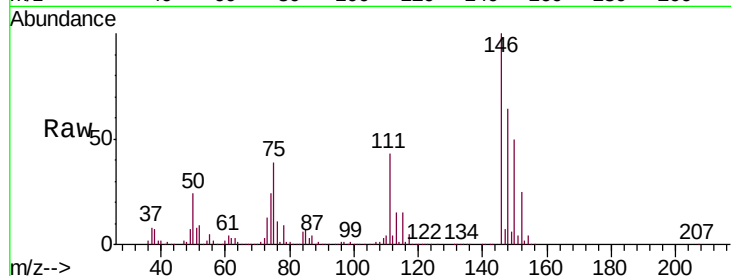




#65
 1,2-Dichlorobenzene
 Concen: 98.827 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010909.D
 Acq: 21 Jun 2019 22:56

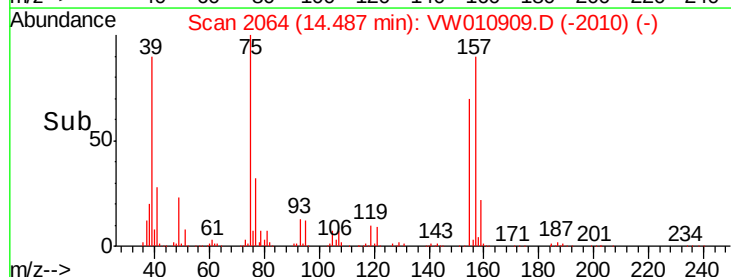
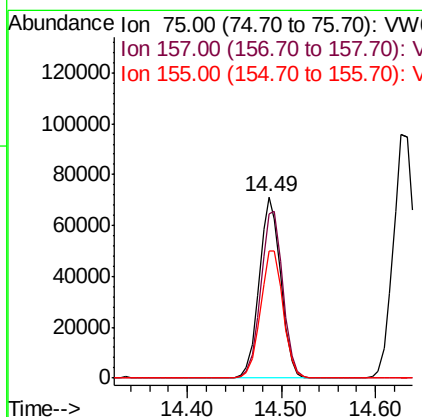
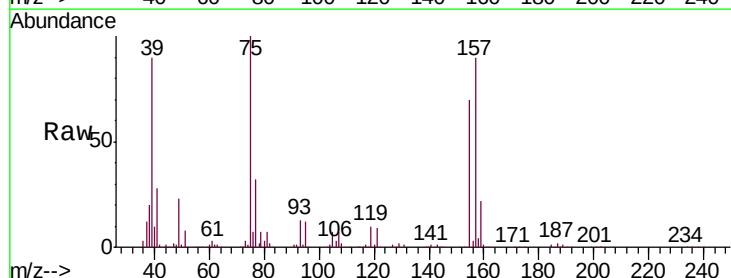
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10005

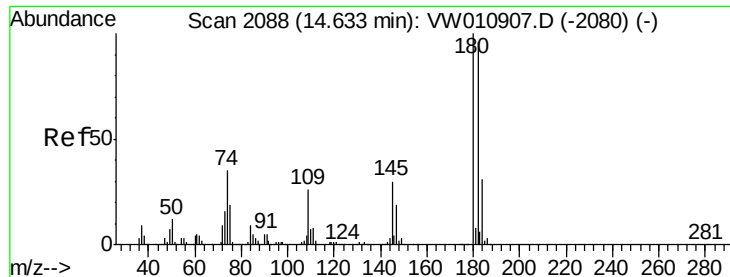
Tgt Ion:146 Resp: 995730
 Ion Ratio Lower Upper
 146 100
 111 43.2 34.6 51.8
 148 63.9 50.6 76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 107.915 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010909.D
 Acq: 21 Jun 2019 22:56

Tgt Ion: 75 Resp: 114806
 Ion Ratio Lower Upper
 75 100
 157 90.5 70.1 105.1
 155 70.0 54.5 81.7

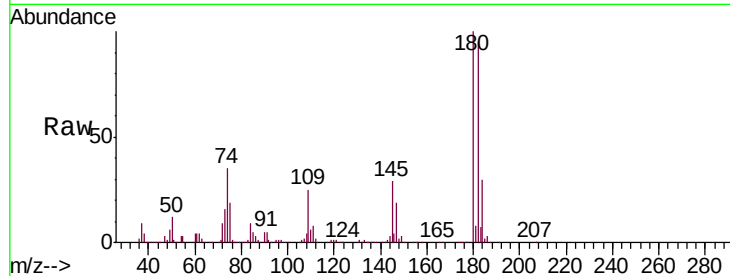




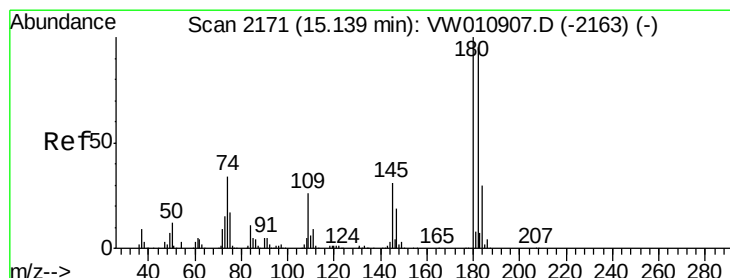
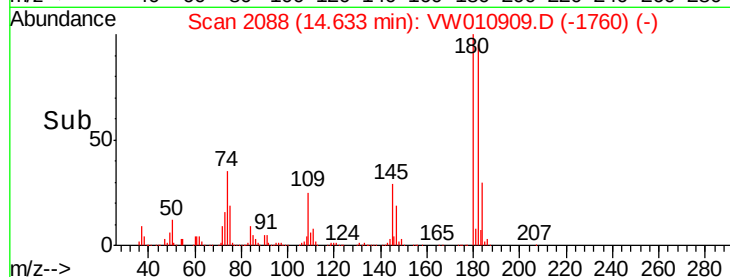
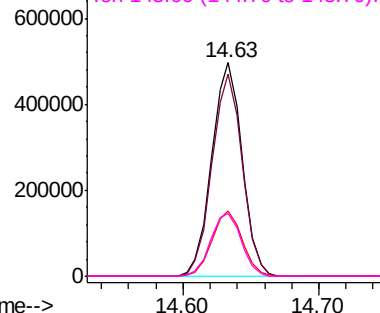
#67
 1,3,5-Trichlorobenzene
 Concen: 95.051 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW010909.D
 Acq: 21 Jun 2019 22:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10005

Tgt Ion:180 Resp: 772721
 Ion Ratio Lower Upper
 180 100
 182 94.4 75.8 113.8
 184 30.4 24.2 36.2
 145 30.0 23.8 35.6

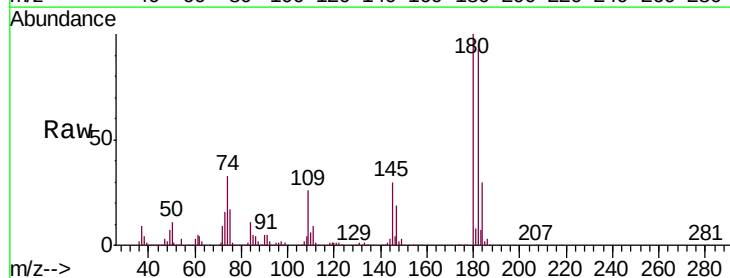


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

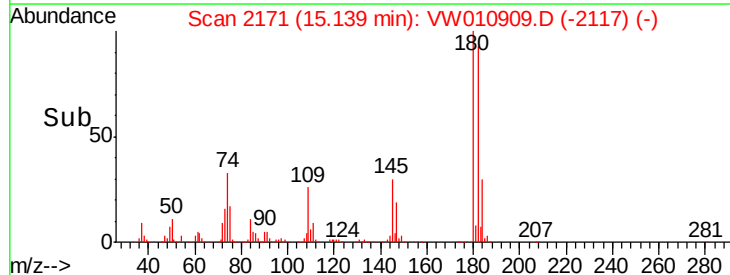
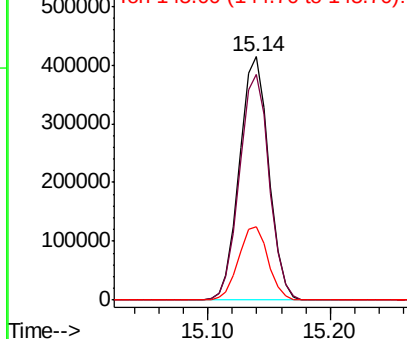


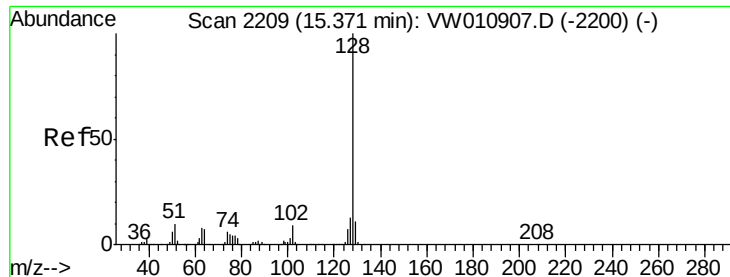
#68
 1,2,4-trichlorobenzene
 Concen: 101.099 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010909.D
 Acq: 21 Jun 2019 22:56

Tgt Ion:180 Resp: 686528
 Ion Ratio Lower Upper
 180 100
 182 93.9 76.6 114.8
 145 30.4 24.4 36.6



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: 111.998 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW010909.D

Acq: 21 Jun 2019 22:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD10005

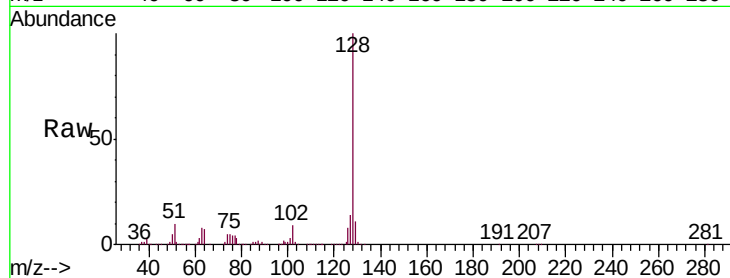
Tgt Ion:128 Resp: 1632931

Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

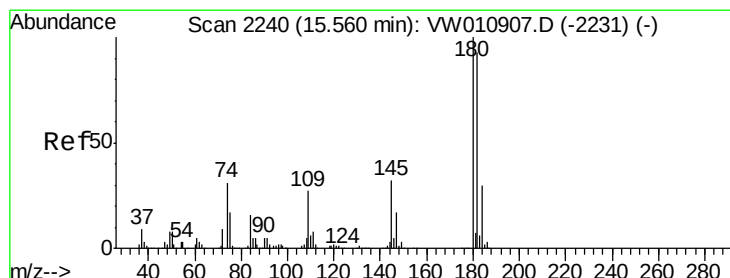
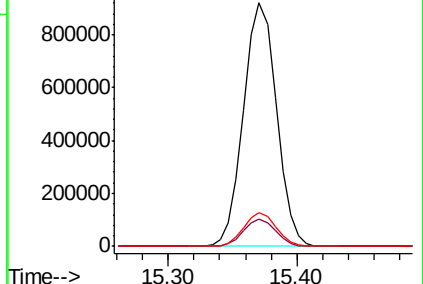
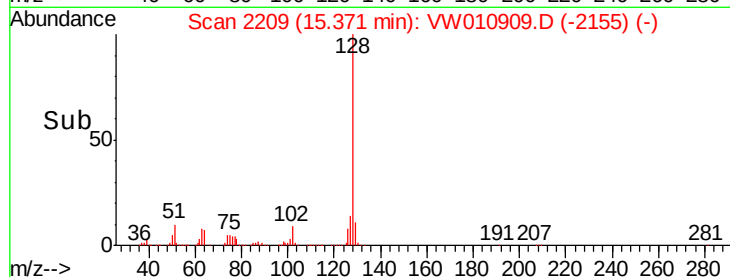
127 13.5 10.6 15.8



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: 101.640 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW010909.D

Acq: 21 Jun 2019 22:56

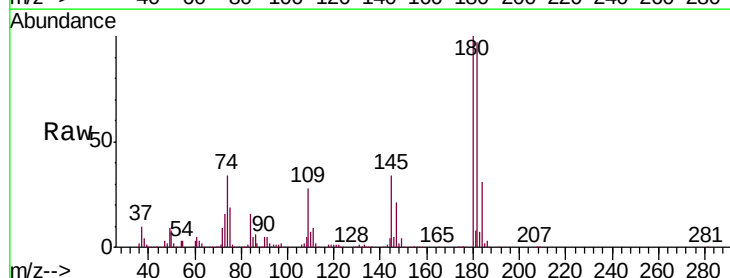
Tgt Ion:180 Resp: 624902

Ion Ratio Lower Upper

180 100

182 96.2 75.6 113.4

145 32.6 26.1 39.1



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

