

Data File : VW010908.D
Acq On : 21 Jun 2019 22:29
Operator : SY/VA
Sample : VSTD05004
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD05004

Quant Time: Jun 22 05:36:26 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	354288	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	332580	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	161966	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	227317	45.07	ug/L	0.00
7) Chloroethane-d5	2.88	69	181588	47.04	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	523160	49.16	ug/L	0.00
20) 2-Butanone-d5	7.07	46	224483	104.77	ug/L	0.00
24) Chloroform-d	7.65	84	480306	62.22	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	302276	50.08	ug/L	0.00
29) Benzene-d6	8.27	84	962494	48.41	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	322291	50.15	ug/L	0.00
37) Toluene-d8	10.32	98	877037	49.03	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	144638	50.67	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	152797	99.51	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	276170	50.36	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	304835	49.40	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	275730	50.156	ug/L	94
3) Chloromethane	2.21	50	310211	50.620	ug/L	98
5) Vinyl chloride	2.36	62	317477	54.615	ug/L	96
6) Bromomethane	2.77	94	161067	59.637	ug/L	99
8) Chloroethane	2.92	64	176405	52.419	ug/L	98
9) Trichlorofluoromethane	3.24	101	96483	14.870	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	241730	53.112	ug/L	99
12) 1,1-Dichloroethene	4.04	96	246344	57.985	ug/L	97
13) Acetone	4.12	43	160491	76.076	ug/L	100
14) Carbon disulfide	4.38	76	739721	59.059	ug/L	99
15) Methyl Acetate	4.67	43	190949	52.376	ug/L	99
16) Methylene chloride	4.92	84	267098	53.097	ug/L	98
17) Methyl tert-butyl Ether	5.42	73	393791	31.246	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	252507	53.839	ug/L	97
19) 1,1-Dichloroethane	6.21	63	515184	53.012	ug/L	99
21) 2-Butanone	7.16	43	272043	90.687	ug/L	98
22) cis-1,2-Dichloroethene	7.16	96	278199	52.484	ug/L	98
23) Bromochloromethane	7.51	128	117195	53.094	ug/L	99
25) Chloroform	7.67	83	479309	44.233	ug/L	100
27) 1,2-Dichloroethane	8.40	62	382001	52.864	ug/L	100
30) Cyclohexane	7.95	56	524876	52.336	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	336589	43.696	ug/L	100
32) Carbon tetrachloride	8.07	117	318273	48.641	ug/L	100
34) Benzene	8.32	78	1079189	51.955	ug/L	100
35) Trichloroethene	9.09	95	269769	50.872	ug/L	100
36) Methylcyclohexane	9.34	83	482985	51.317	ug/L	100
40) 1,2-Dichloropropane	9.37	63	299417	51.769	ug/L	100
41) Bromodichloromethane	9.64	83	358537	52.936	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	468848	53.060	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	579303	103.303	ug/L	99

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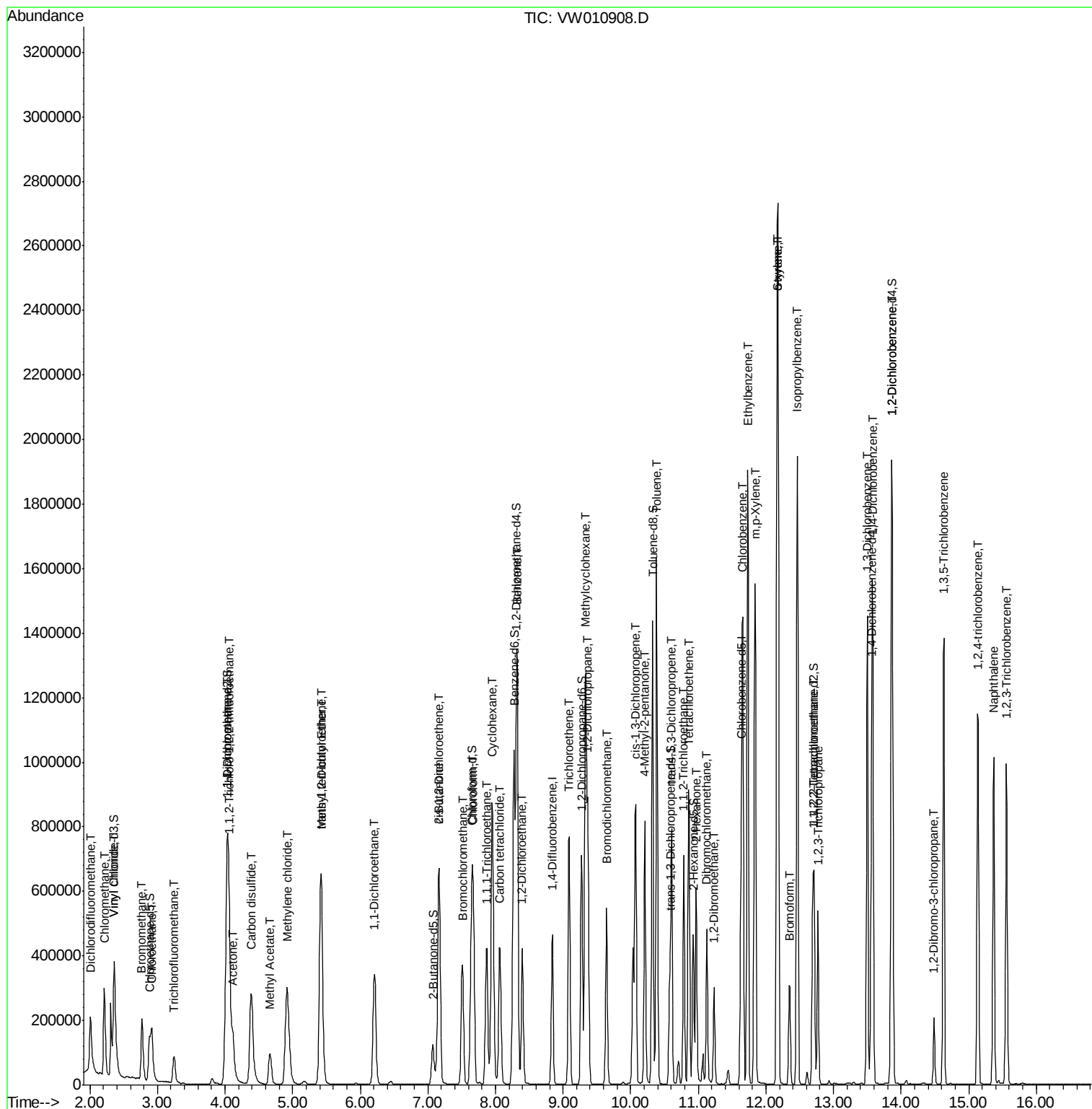
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	1132333	52.035	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	389557	52.522	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	208636	50.698	ug/L	97
47) Tetrachloroethene	10.86	164	198563	50.185	ug/L	96
49) 2-Hexanone	10.97	43	410018	100.638	ug/L	100
50) Dibromochloromethane	11.13	129	235054	51.867	ug/L	98
51) 1,2-Dibromoethane	11.23	107	206668	51.948	ug/L	98
52) Chlorobenzene	11.66	112	684278	50.778	ug/L	100
53) Ethylbenzene	11.73	91	1269559	51.294	ug/L	99
54) m,p-Xylene	11.84	106	464207	51.826	ug/L	99
55) o-xylene	12.17	106	451612	52.013	ug/L	96
56) Styrene	12.18	104	791213	52.360	ug/L	97
57) Isopropylbenzene	12.46	105	1203144	50.981	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	277181	50.280	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	214527	49.277	ug/L	100
62) Bromoform	12.35	173	136670	50.460	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	535143	51.345	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	531987	50.193	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	495219	50.449	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	51800	49.977	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	399504	50.440	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	351101	53.069	ug/L	100
69) Naphthalene	15.37	128	805855	56.731	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	324115	54.109	ug/L	99

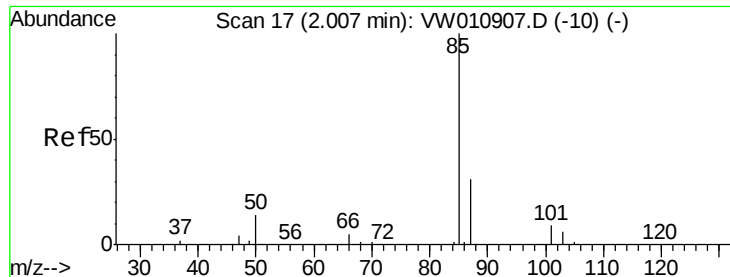
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 50.156 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW010908.D

Acq: 21 Jun 2019 22:29

Instrument :

MSVOA_W

ClientSampled :

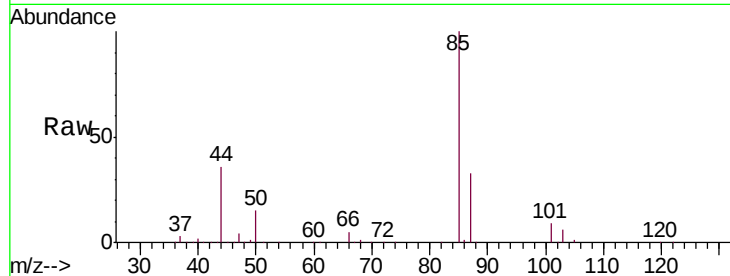
VSTD05004

Tgt Ion: 85 Resp: 275730

Ion Ratio Lower Upper

85 100

87 30.3 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

100000

80000

60000

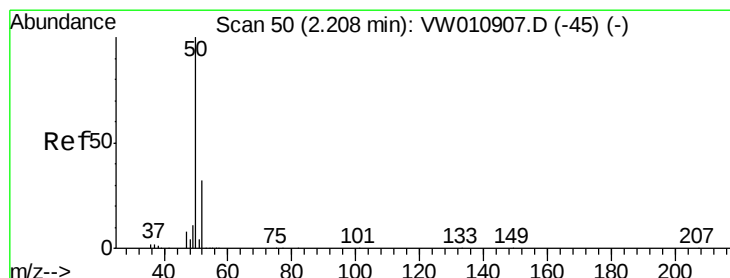
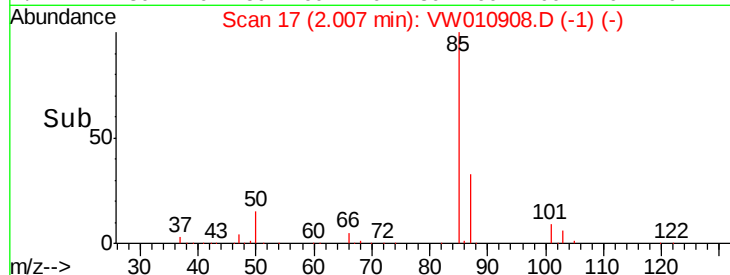
40000

20000

0

Time-->

1.90 2.00 2.10 2.20 2.30



#3

Chloromethane

Concen: 50.620 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW010908.D

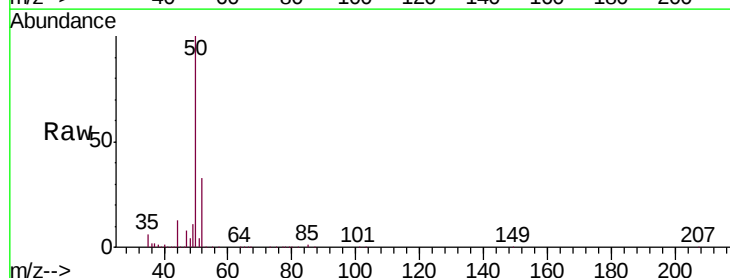
Acq: 21 Jun 2019 22:29

Tgt Ion: 50 Resp: 310211

Ion Ratio Lower Upper

50 100

52 33.0 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

150000

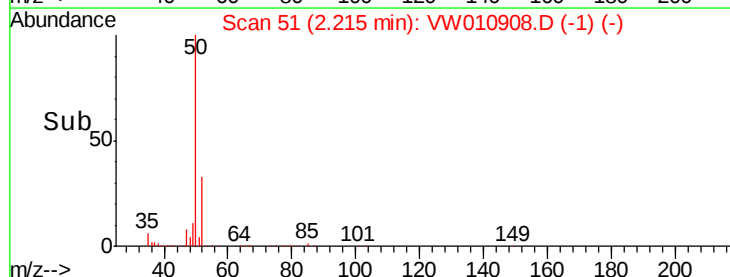
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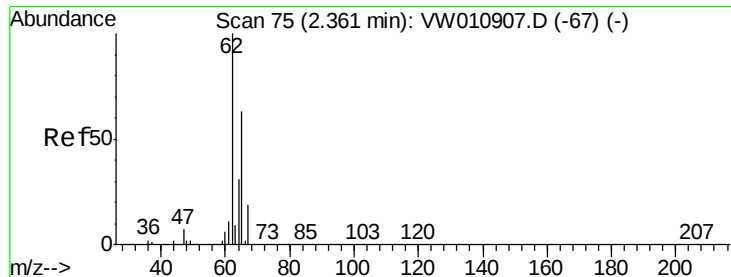
50000

0

Time-->

2.15 2.20 2.25 2.30





#5

Vinyl chloride

Concen: 54.615 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW010908.D

Acq: 21 Jun 2019 22:29

Instrument :

MSVOA_W

ClientSampled :

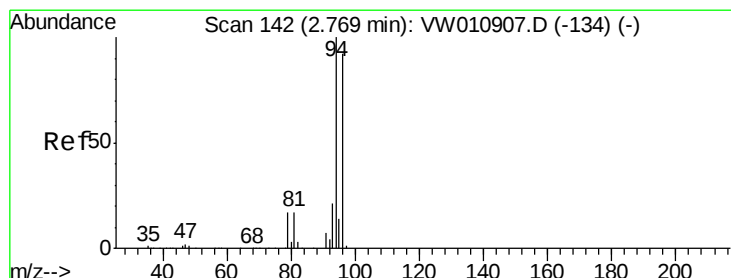
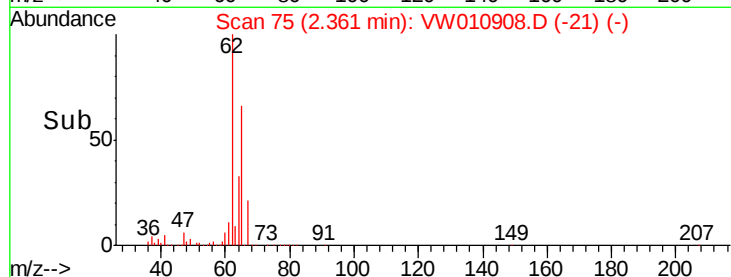
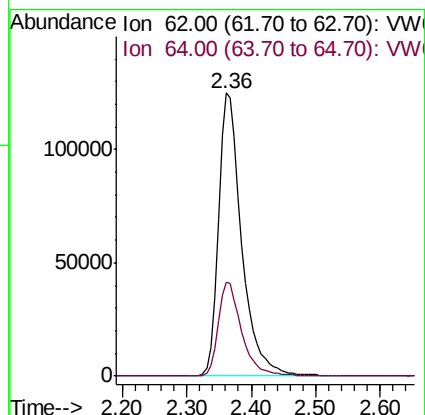
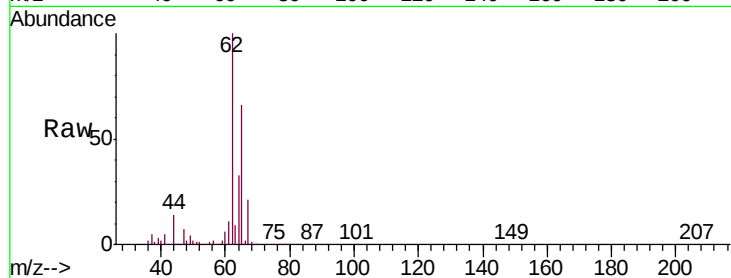
VSTD05004

Tgt Ion: 62 Resp: 317477

Ion Ratio Lower Upper

62 100

64 33.4 21.8 40.6



#6

Bromomethane

Concen: 59.637 ug/L

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW010908.D

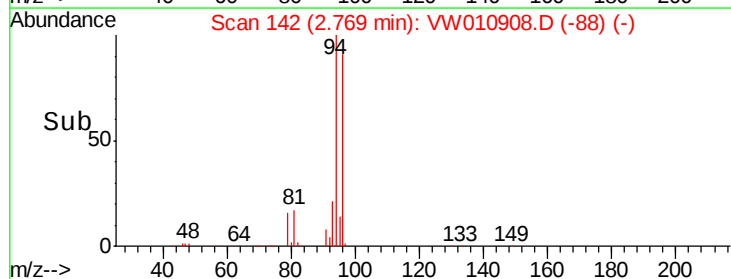
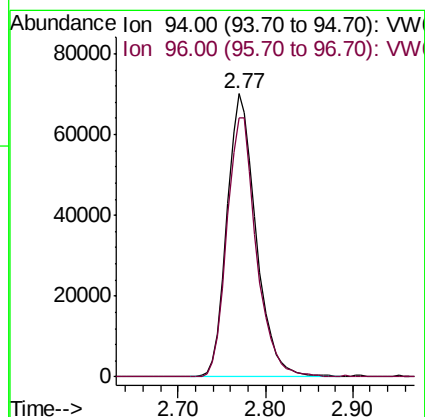
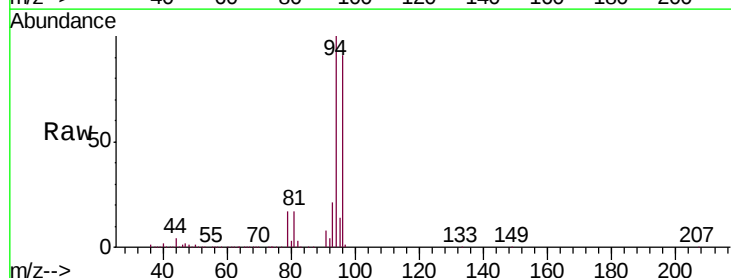
Acq: 21 Jun 2019 22:29

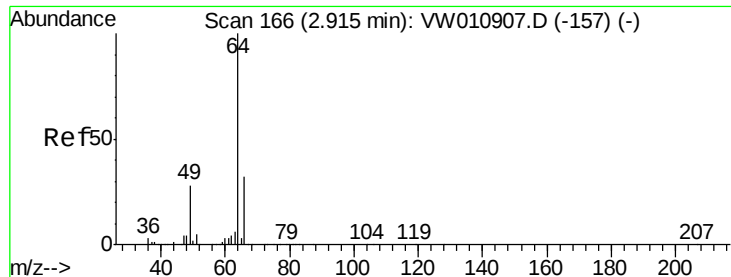
Tgt Ion: 94 Resp: 161067

Ion Ratio Lower Upper

94 100

96 93.4 9.2 175.6





#8

Chloroethane

Concen: 52.419 ug/L

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW010908.D

Acq: 21 Jun 2019 22:29

Instrument :

MSVOA_W

ClientSampleId :

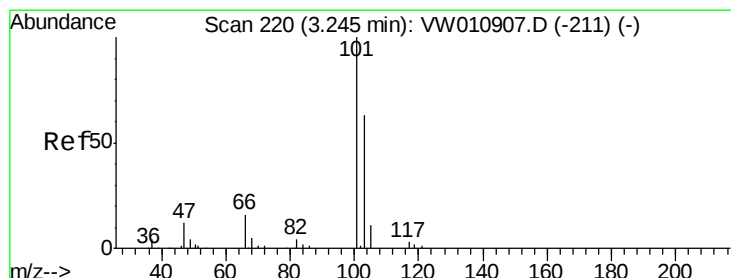
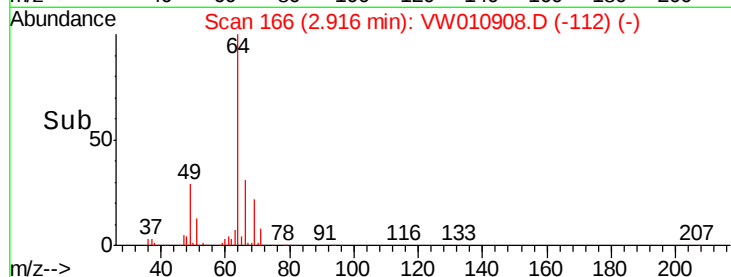
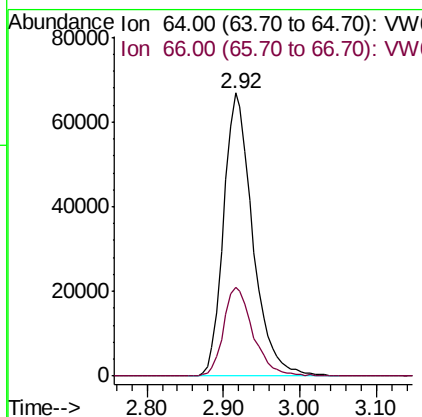
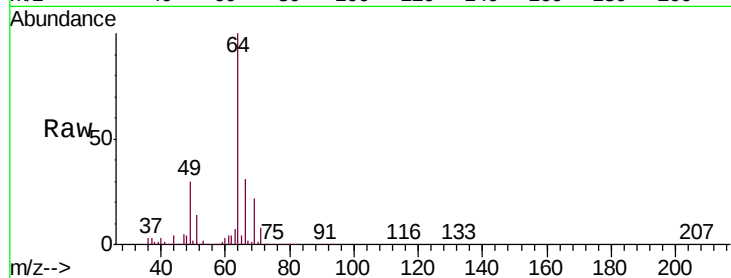
VSTD05004

Tgt Ion: 64 Resp: 176405

Ion Ratio Lower Upper

64 100

66 31.4 22.6 42.0



#9

Trichlorofluoromethane

Concen: 14.870 ug/L

RT: 3.24 min Scan# 220

Delta R.T. 0.00 min

Lab File: VW010908.D

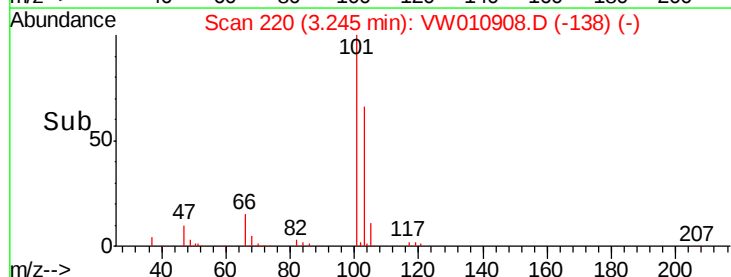
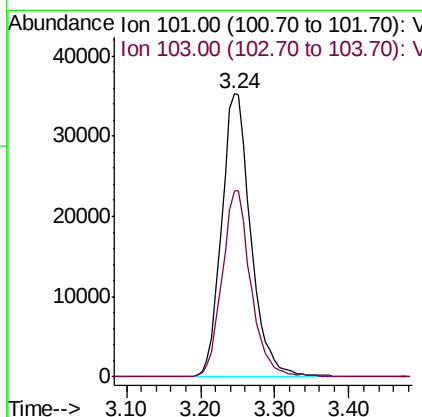
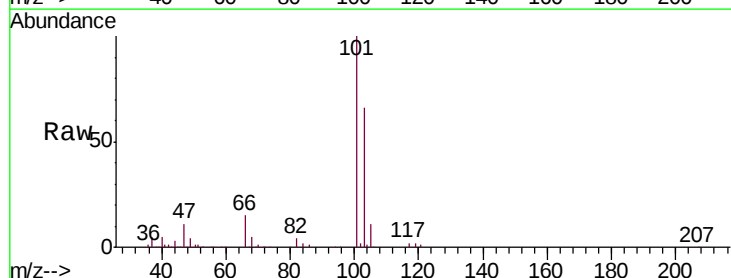
Acq: 21 Jun 2019 22:29

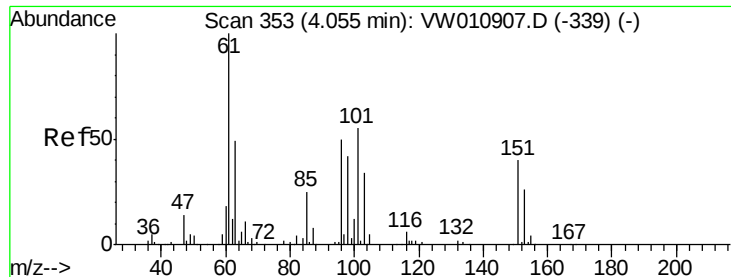
Tgt Ion: 101 Resp: 96483

Ion Ratio Lower Upper

101 100

103 64.2 46.1 85.5





#11

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

Concen: 53.112 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW010908.D

Acq: 21 Jun 2019 22:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD05004

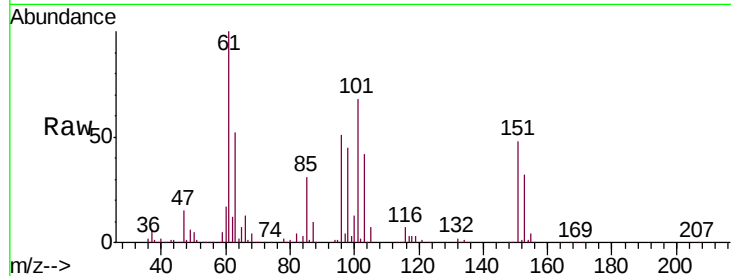
Tgt Ion: 101 Resp: 241730

Ion Ratio Lower Upper

101 100

85 45.5 36.5 54.7

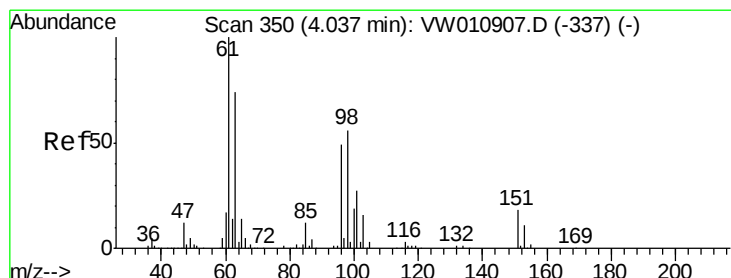
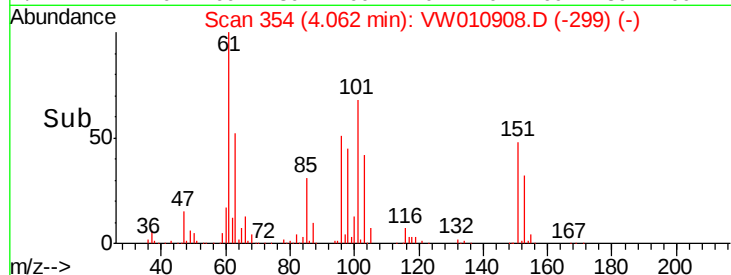
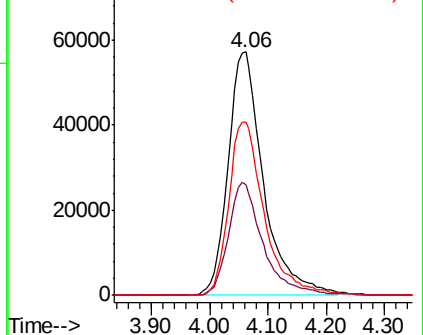
151 71.5 58.6 88.0



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: 57.985 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW010908.D

Acq: 21 Jun 2019 22:29

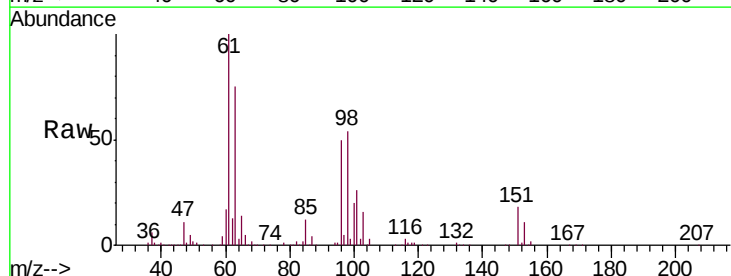
Tgt Ion: 96 Resp: 246344

Ion Ratio Lower Upper

96 100

61 201.0 144.3 267.9

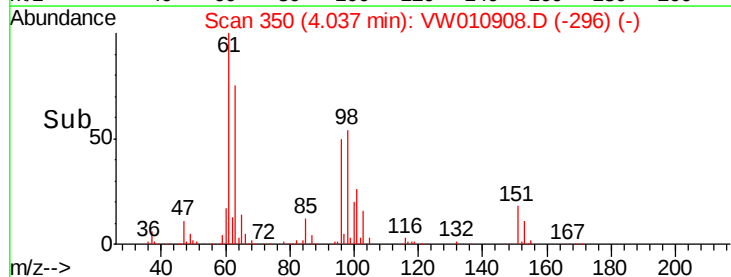
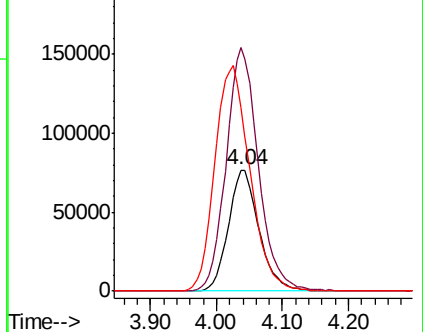
63 151.2 108.4 201.2

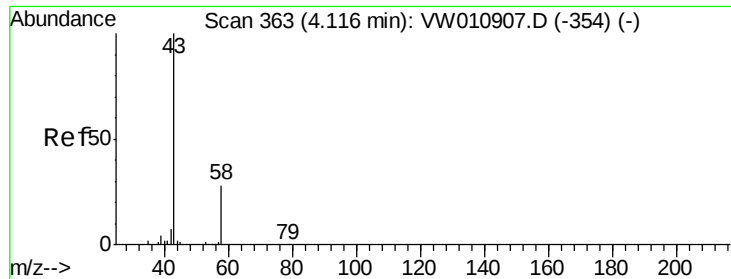


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 76.076 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

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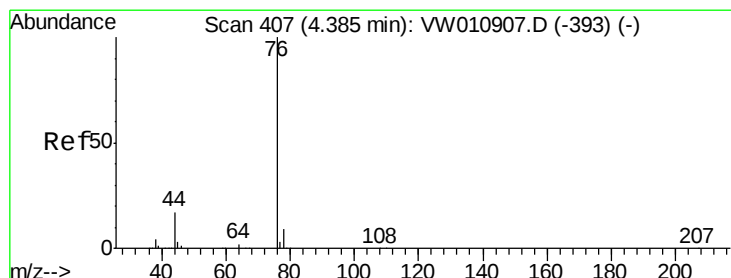
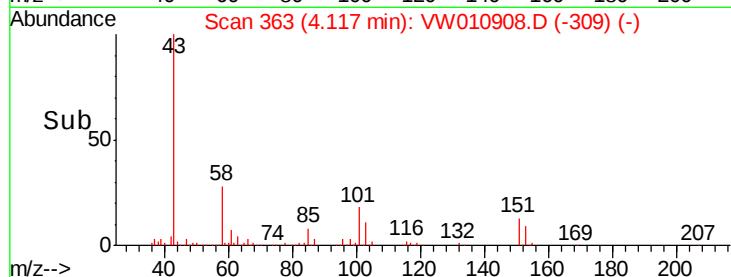
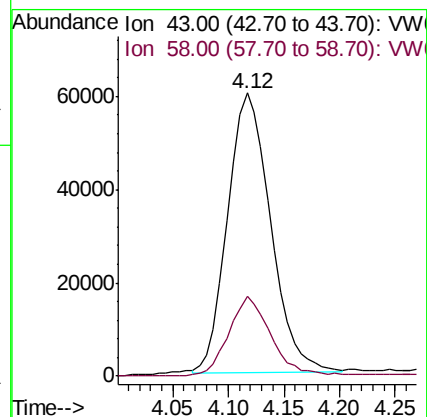
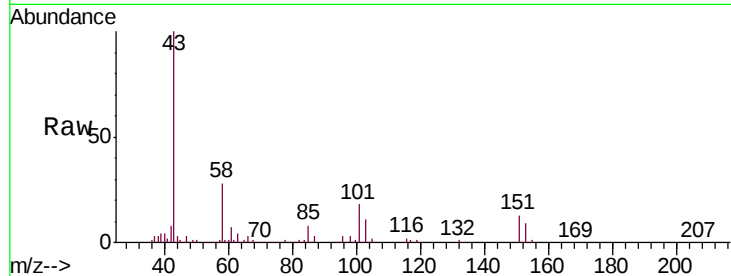
VSTD05004

Tgt Ion: 43 Resp: 160491

Ion Ratio Lower Upper

43 100

58 27.2 0.0 54.0



#14

Carbon disulfide

Concen: 59.059 ug/L

RT: 4.38 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW010908.D

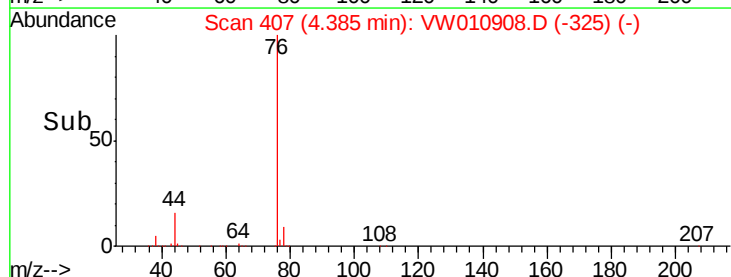
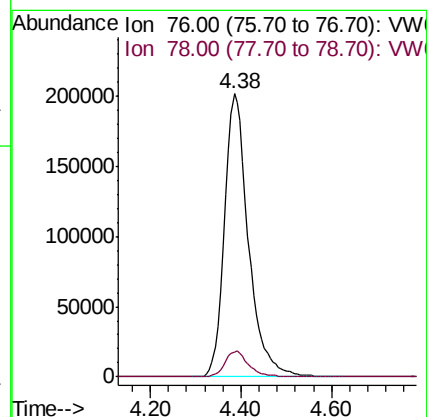
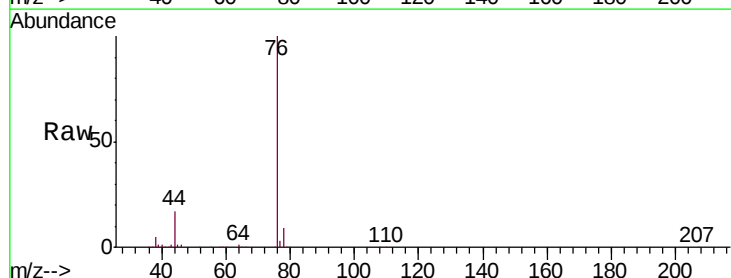
Acq: 21 Jun 2019 22:29

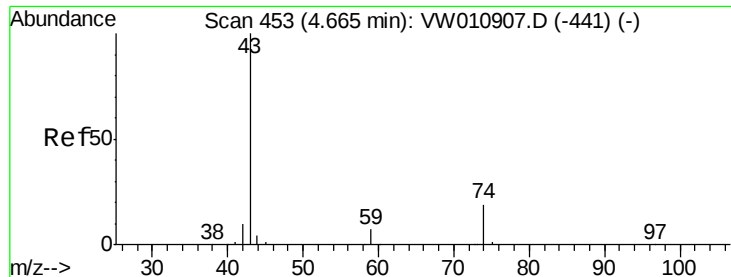
Tgt Ion: 76 Resp: 739721

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0





#15

Methyl Acetate

Concen: 52.376 ug/L

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

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ClientSampled :

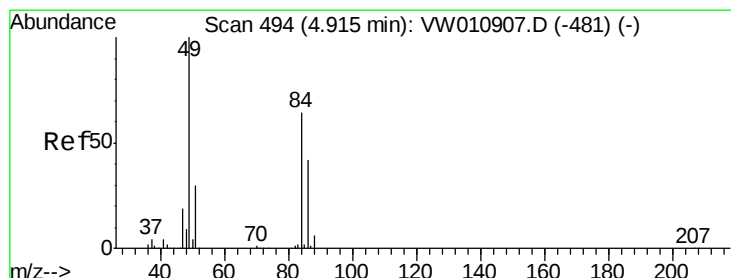
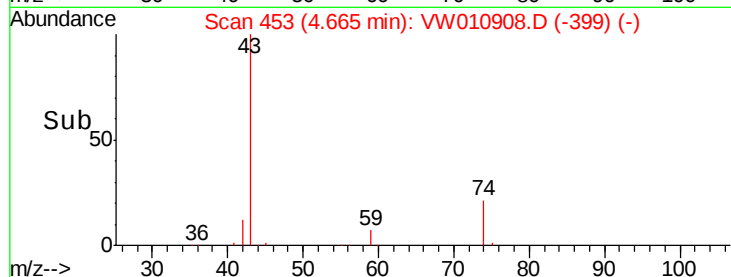
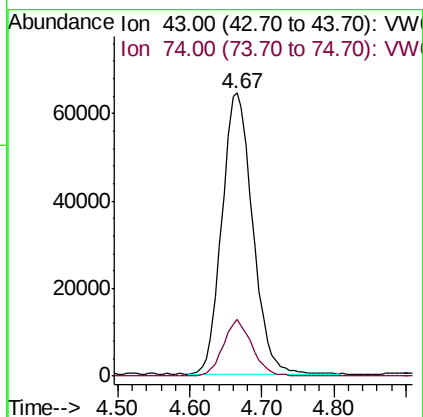
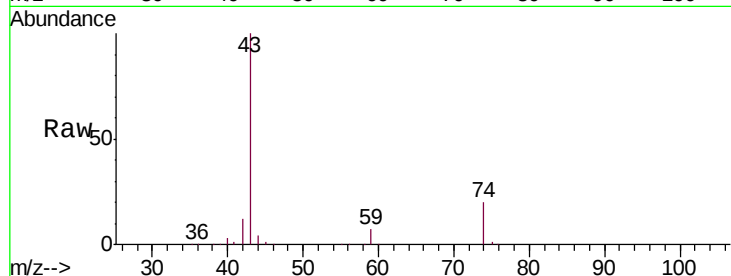
VSTD05004

Tgt Ion: 43 Resp: 190949

Ion Ratio Lower Upper

43 100

74 18.8 15.3 22.9



#16

Methylene chloride

Concen: 53.097 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW010908.D

Acq: 21 Jun 2019 22:29

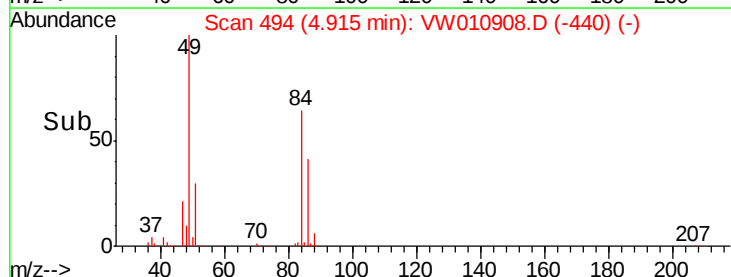
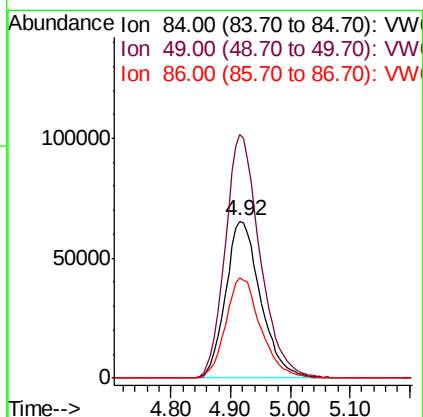
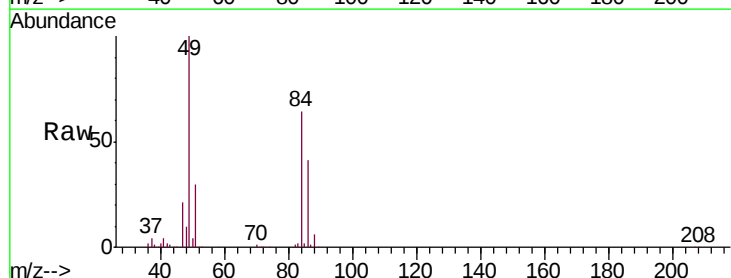
Tgt Ion: 84 Resp: 267098

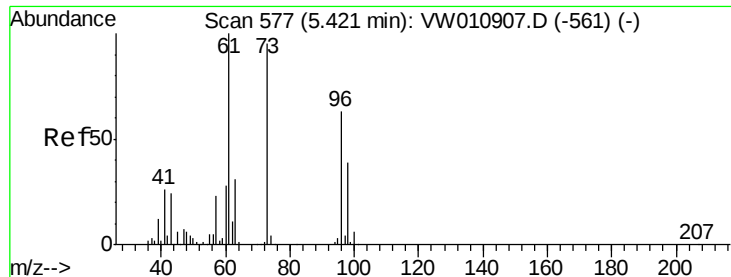
Ion Ratio Lower Upper

84 100

49 155.2 109.8 203.8

86 64.0 46.5 86.5

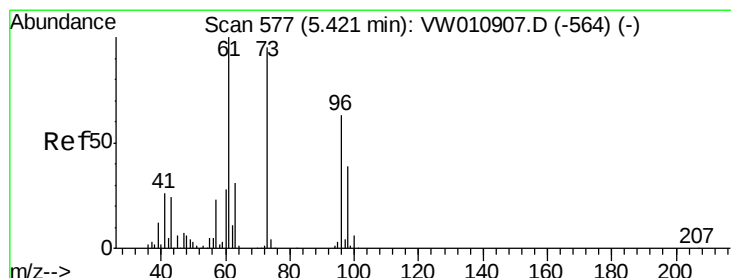
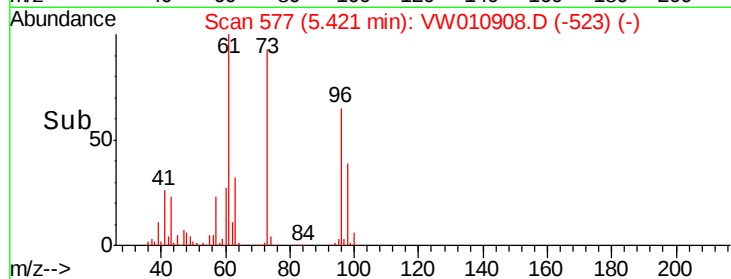
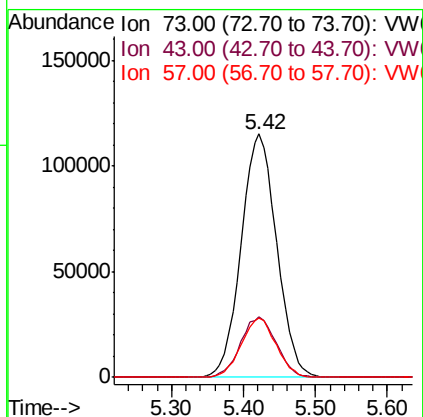
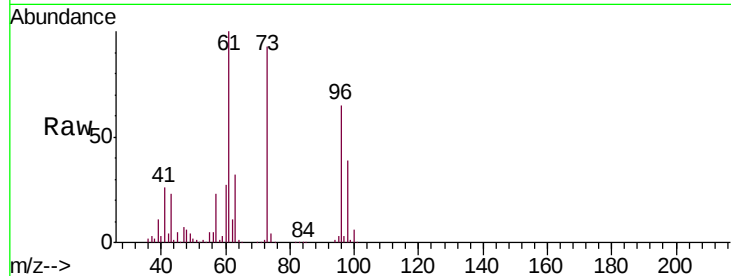




#17
Methyl tert-butyl Ether
Concen: 31.246 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW010908.D
Acq: 21 Jun 2019 22:29

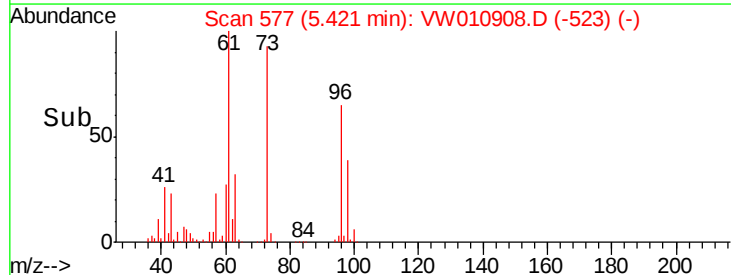
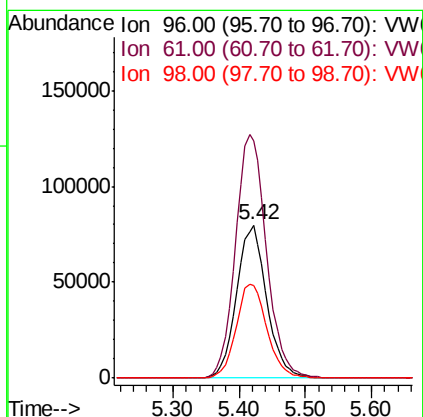
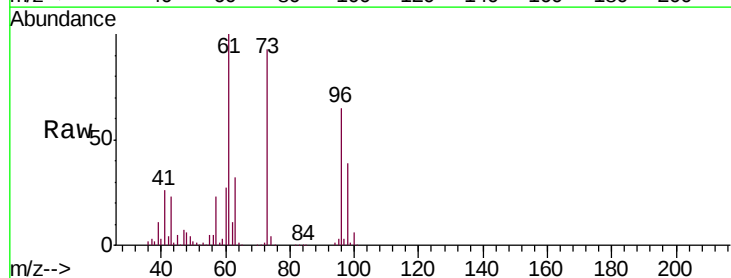
Instrument :
MSVOA_W
ClientSampled :
VSTD05004

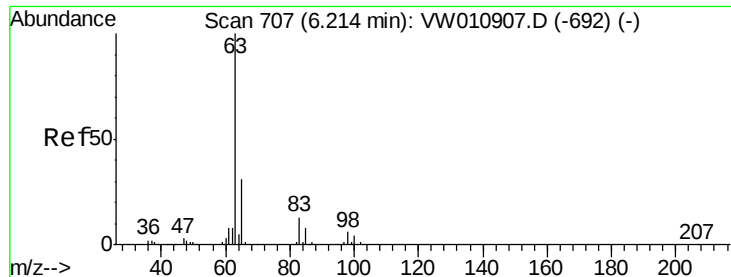
Tgt Ion	Ratio	Lower	Upper
73	100		
43	25.0	20.4	30.6
57	24.2	19.5	29.3



#18
trans-1,2-Dichloroethene
Concen: 53.839 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW010908.D
Acq: 21 Jun 2019 22:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.8	111.7	207.5
98	60.5	43.5	80.9

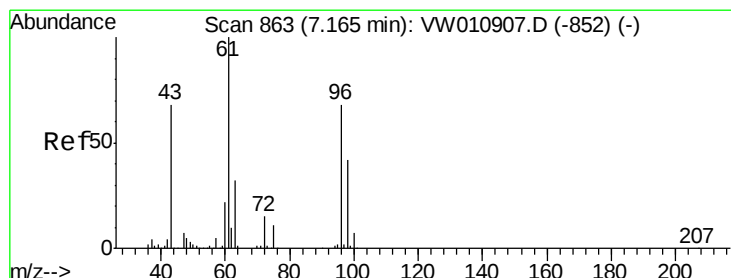
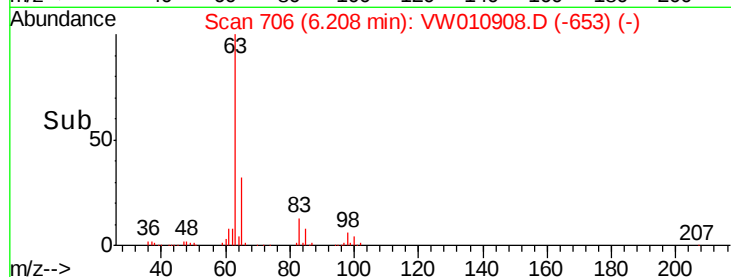
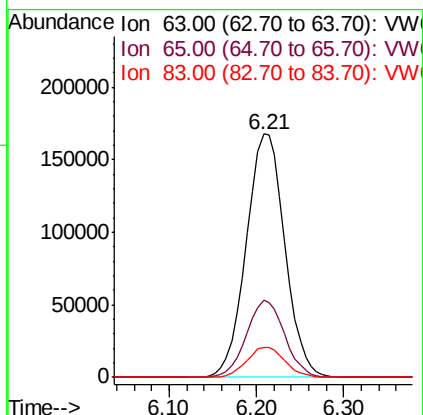
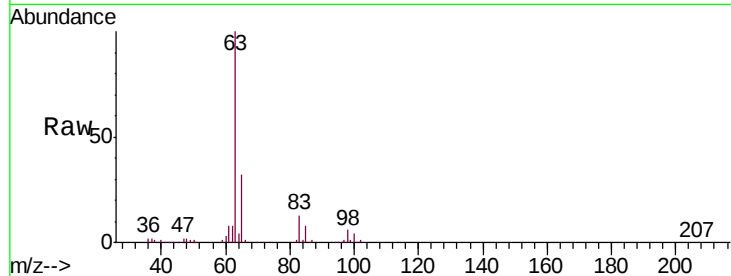




#19
 1,1-Dichloroethane
 Concen: 53.012 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW010908.D
 Acq: 21 Jun 2019 22:29

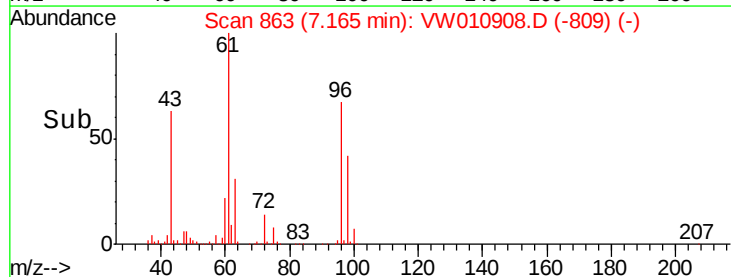
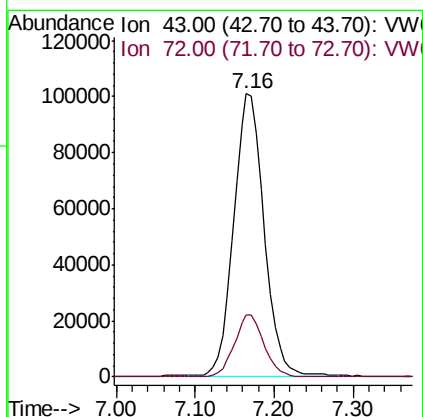
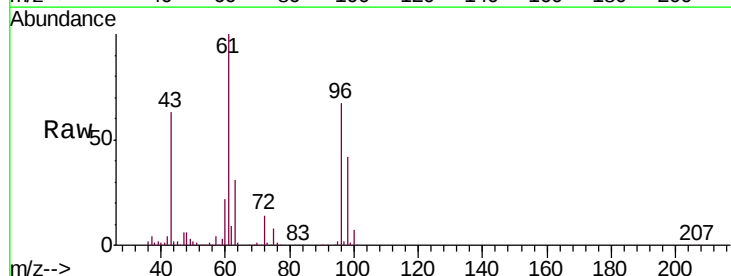
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05004

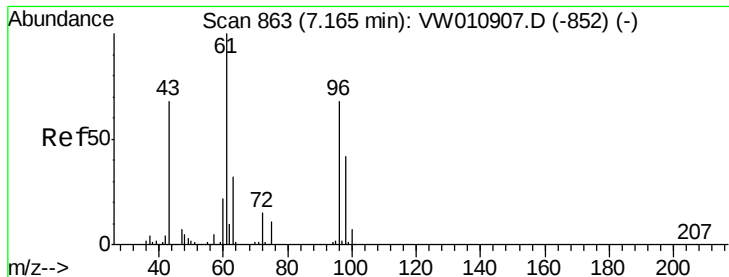
Tgt Ion: 63 Resp: 515184
 Ion Ratio Lower Upper
 63 100
 65 31.9 21.8 40.4
 83 12.5 8.8 16.4



#21
 2-Butanone
 Concen: 90.687 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW010908.D
 Acq: 21 Jun 2019 22:29

Tgt Ion: 43 Resp: 272043
 Ion Ratio Lower Upper
 43 100
 72 21.2 11.1 33.1



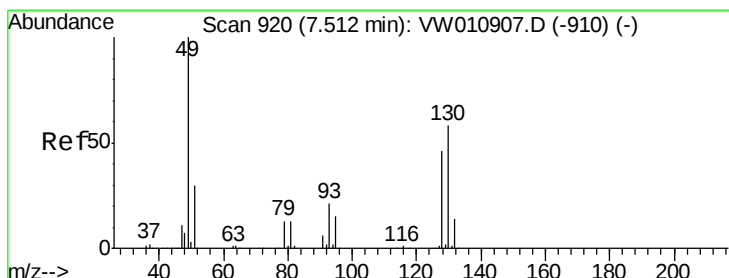
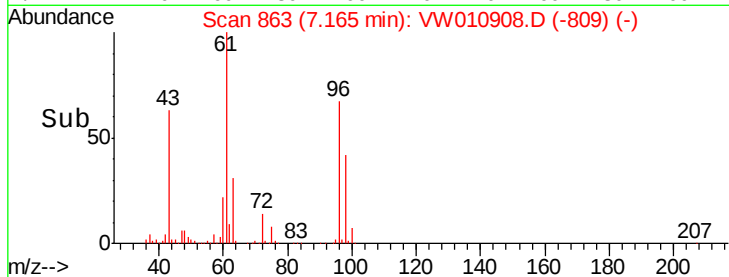
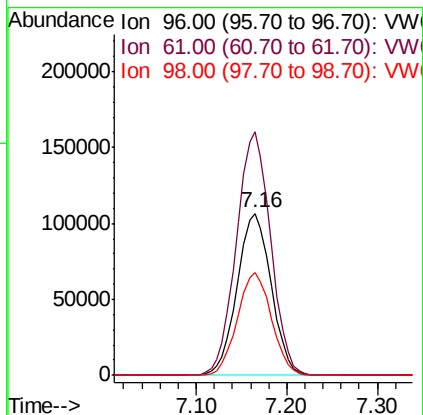
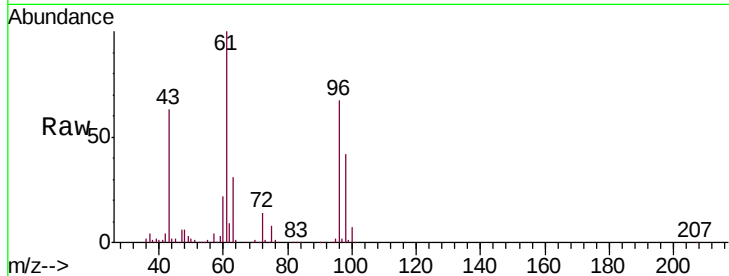


#22

cis-1,2-Dichloroethene
Concen: 52.484 ug/L
RT: 7.16 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW010908.D
Acq: 21 Jun 2019 22:29

Instrument :
MSVOA_W
ClientSampleId :
VSTD05004

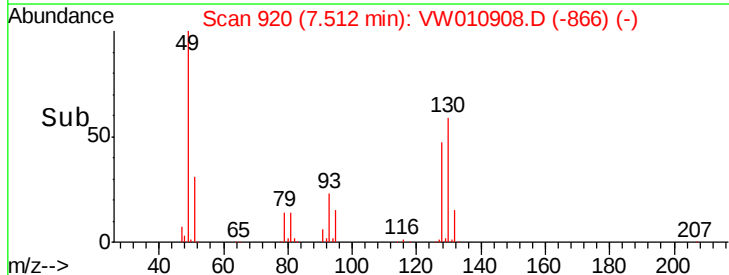
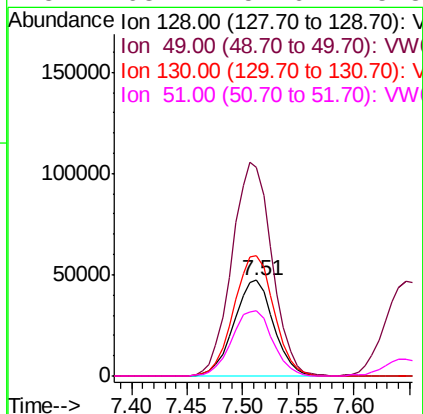
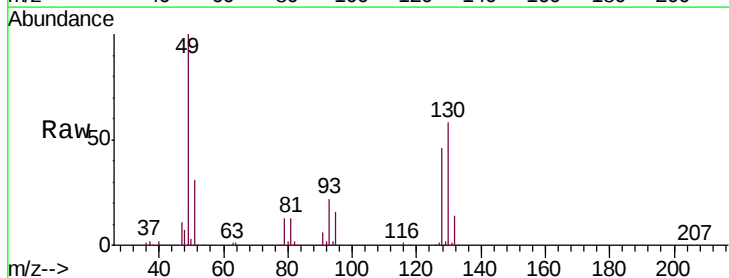
Tgt Ion: 96 Resp: 278199
Ion Ratio Lower Upper
96 100
61 150.2 103.0 191.2
98 63.2 43.5 80.9

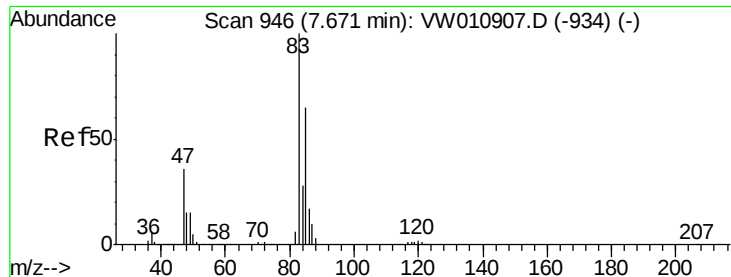


#23

Bromochloromethane
Concen: 53.094 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW010908.D
Acq: 21 Jun 2019 22:29

Tgt Ion: 128 Resp: 117195
Ion Ratio Lower Upper
128 100
49 218.5 151.2 280.8
130 125.9 87.8 163.0
51 68.2 52.6 78.8

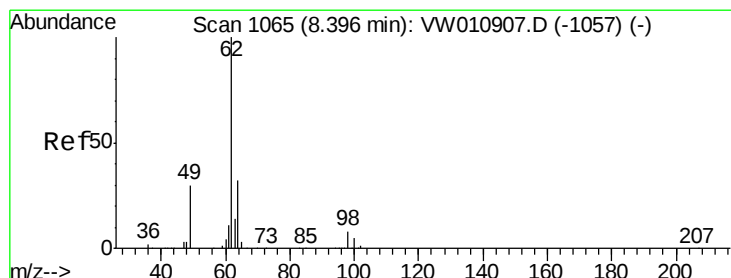
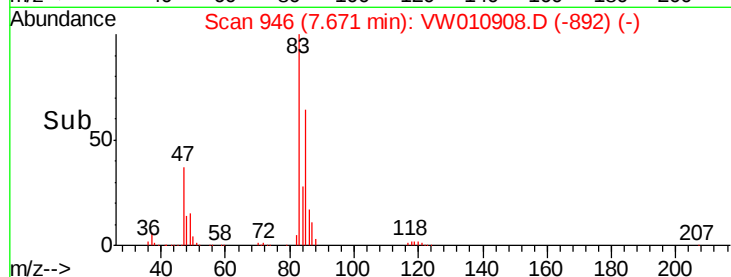
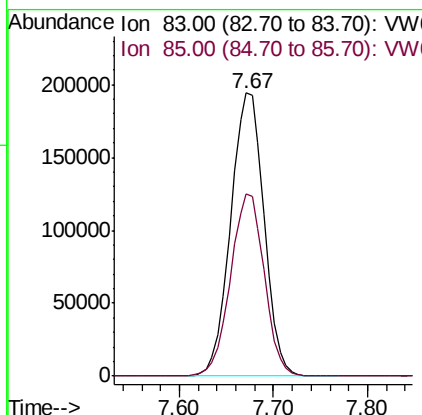
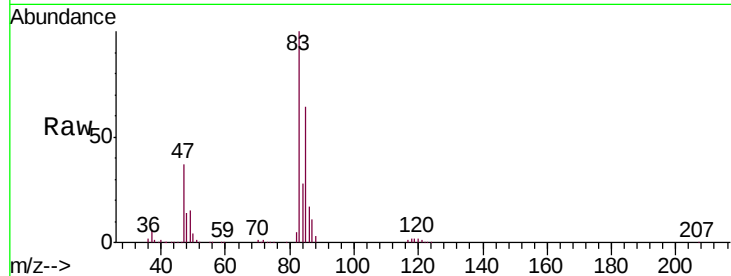




#25
Chloroform
Concen: 44.233 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW010908.D
Acq: 21 Jun 2019 22:29

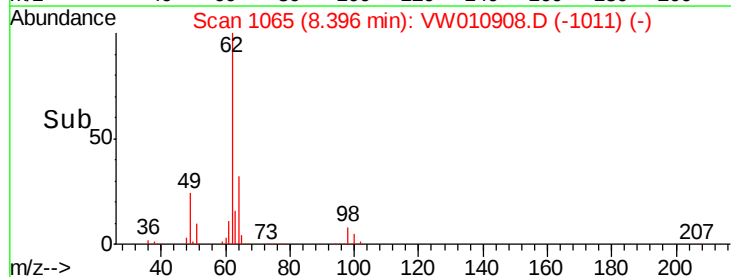
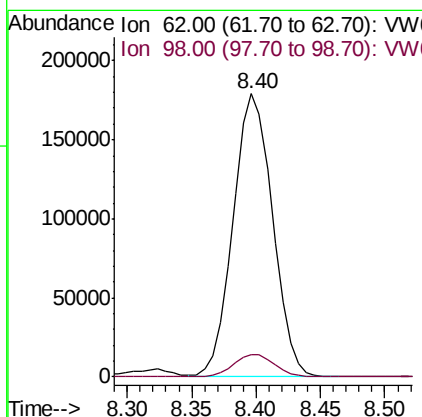
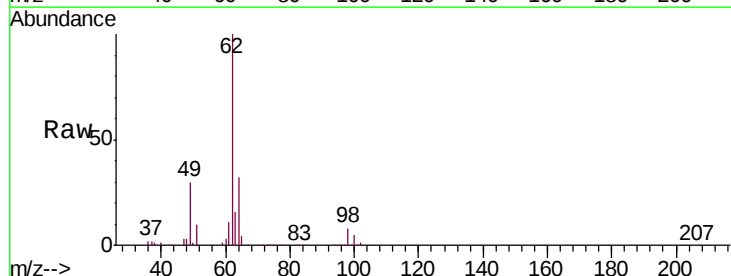
Instrument :
MSVOA_W
ClientSampleId :
VSTD05004

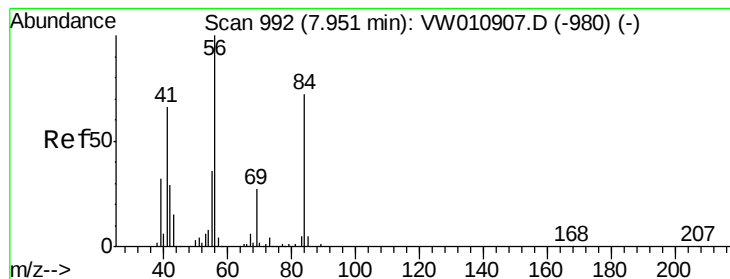
Tgt Ion: 83 Resp: 479309
Ion Ratio Lower Upper
83 100
85 65.0 45.7 84.9



#27
1,2-Dichloroethane
Concen: 52.864 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW010908.D
Acq: 21 Jun 2019 22:29

Tgt Ion: 62 Resp: 382001
Ion Ratio Lower Upper
62 100
98 7.9 6.3 9.5





#30

Cyclohexane

Concen: 52.336 ug/L

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW010908.D

Acq: 21 Jun 2019 22:29

Instrument :

MSVOA_W

ClientSampled :

VSTD05004

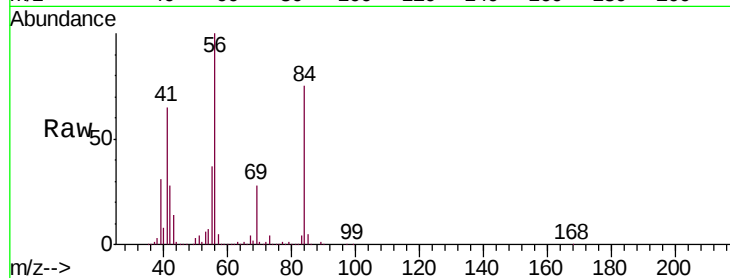
Tgt Ion: 56 Resp: 524876

Ion Ratio Lower Upper

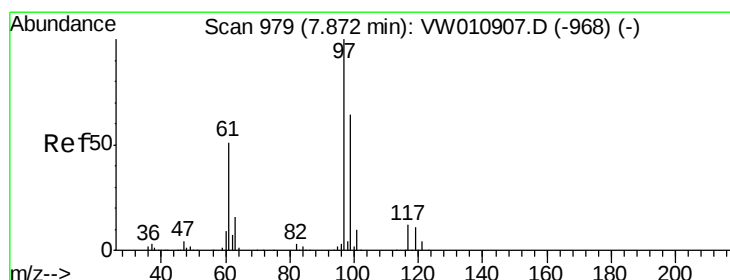
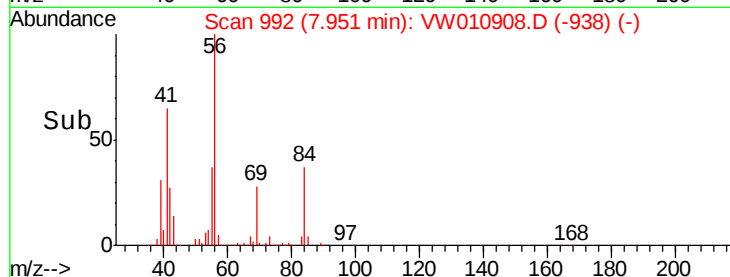
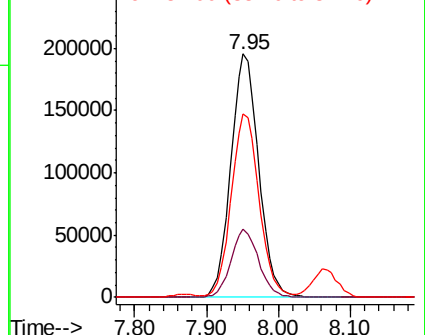
56 100

69 27.7 22.3 33.5

84 75.5 60.3 90.5



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: 43.696 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW010908.D

Acq: 21 Jun 2019 22:29

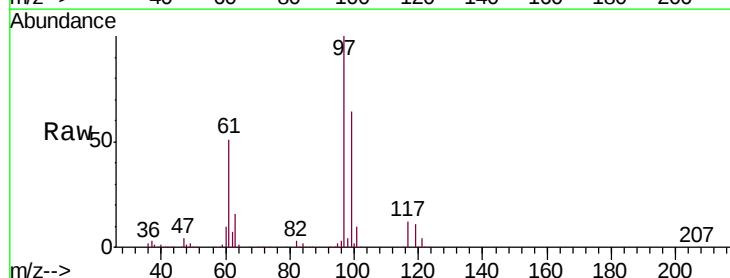
Tgt Ion: 97 Resp: 336589

Ion Ratio Lower Upper

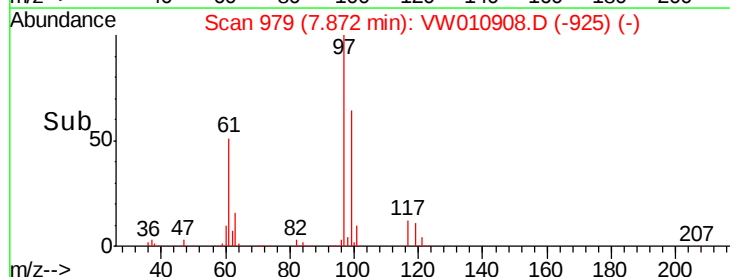
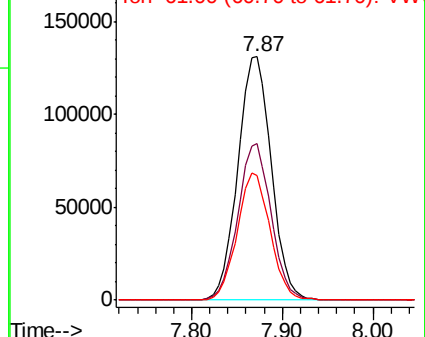
97 100

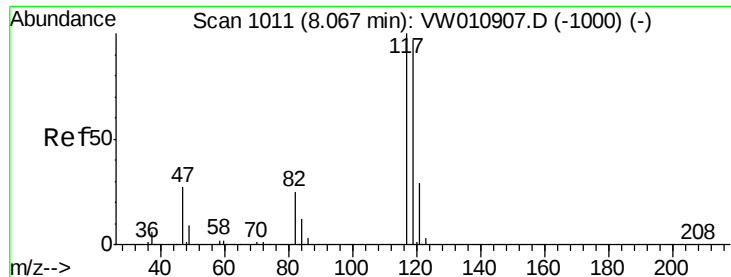
99 63.8 51.0 76.6

61 51.4 41.6 62.4



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





#32

Carbon tetrachloride

Concen: 48.641 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW010908.D

Acq: 21 Jun 2019 22:29

Instrument :

MSVOA_W

ClientSampleId :

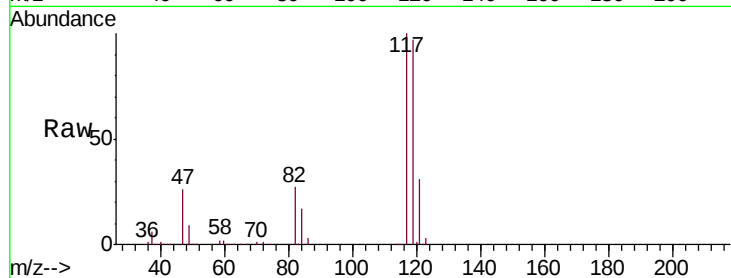
VSTD05004

Tgt Ion:117 Resp: 318273

Ion Ratio Lower Upper

117 100

119 95.4 76.1 114.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

150000

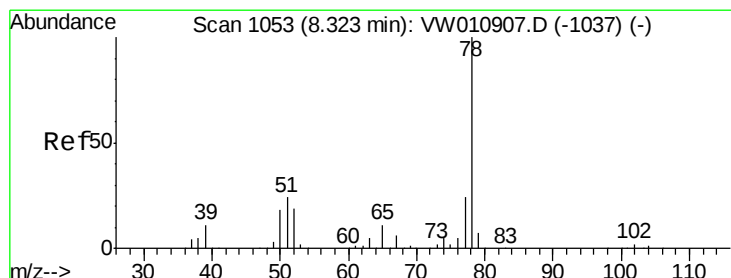
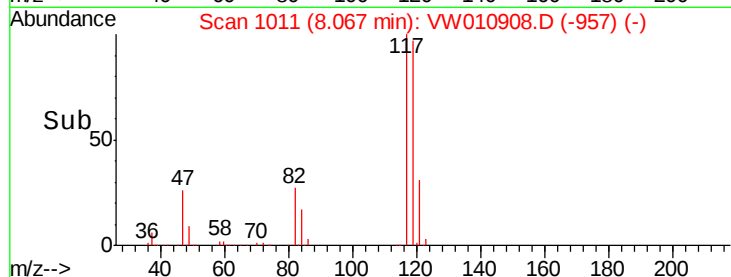
100000

50000

0

Time-->

8.00 8.10 8.20



#34

Benzene

Concen: 51.955 ug/L

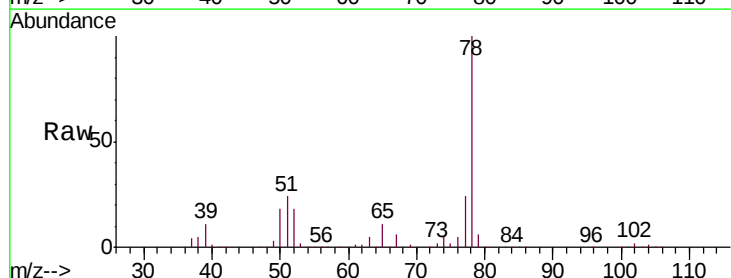
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW010908.D

Acq: 21 Jun 2019 22:29

Tgt Ion: 78 Resp: 1079189



Abundance Ion 78.00 (77.70 to 78.70): VW

500000

400000

300000

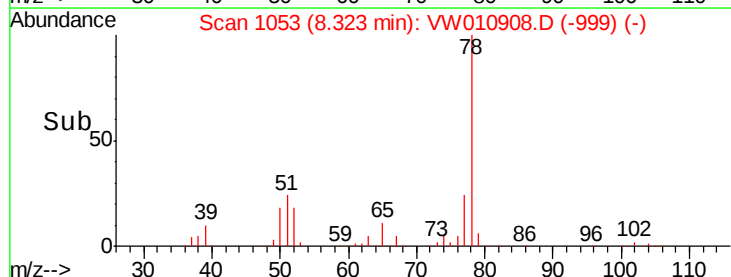
200000

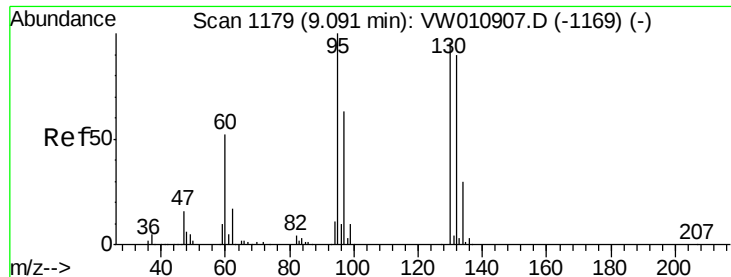
100000

0

Time-->

8.20 8.30 8.40

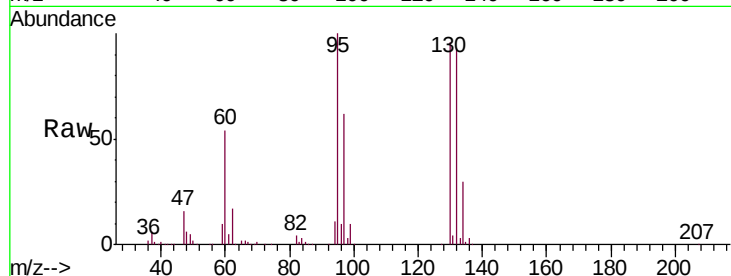




#35
 Trichloroethene
 Concen: 50.872 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW010908.D
 Acq: 21 Jun 2019 22:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05004

Tgt Ion:	95	Resp:	269769
Ion	Ratio	Lower	Upper
95	100		
97	63.2	44.5	82.7
132	91.2	63.6	118.2
130	94.9	66.8	124.0



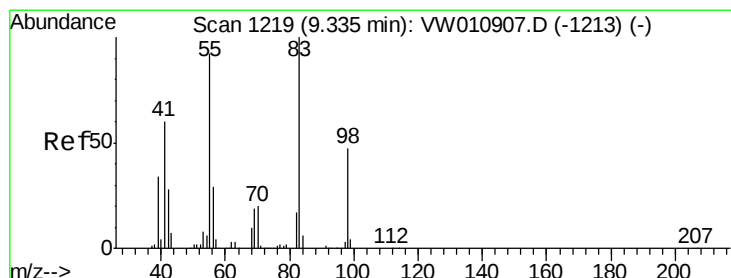
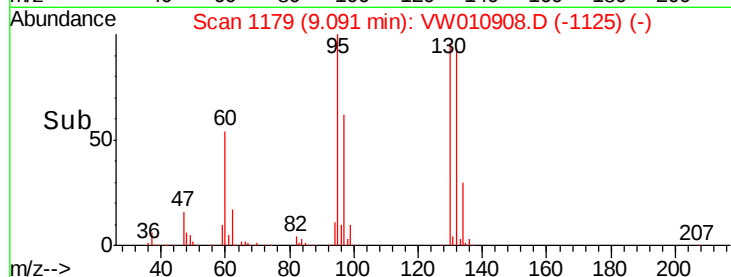
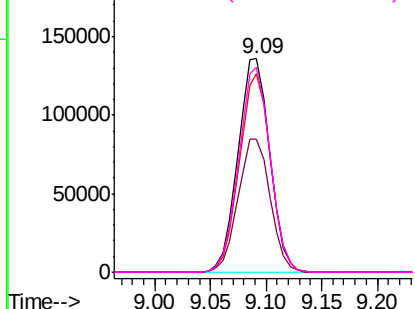
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

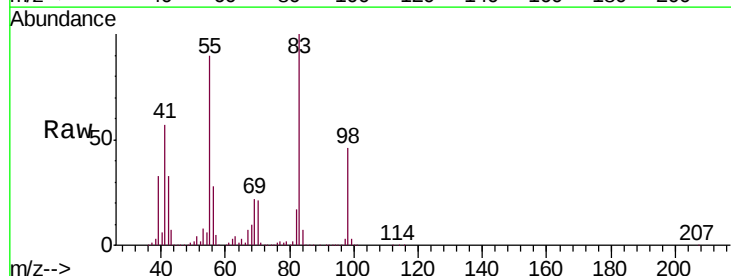
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36
 Methylcyclohexane
 Concen: 51.317 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW010908.D
 Acq: 21 Jun 2019 22:29

Tgt Ion:	83	Resp:	482985
Ion	Ratio	Lower	Upper
83	100		
55	90.4	72.6	109.0
98	47.5	37.9	56.9

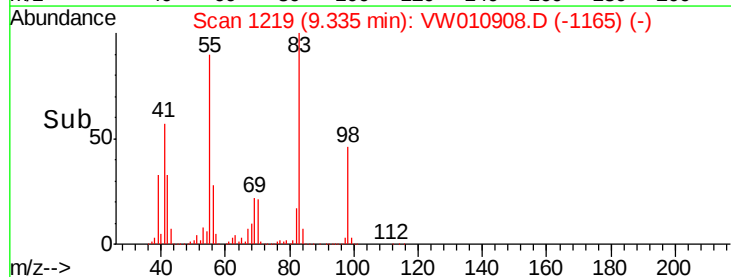
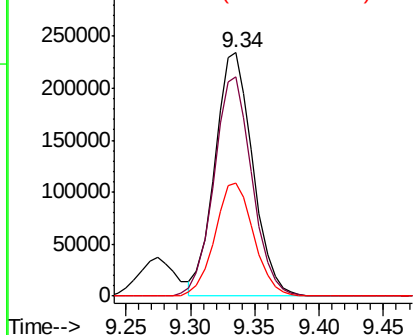


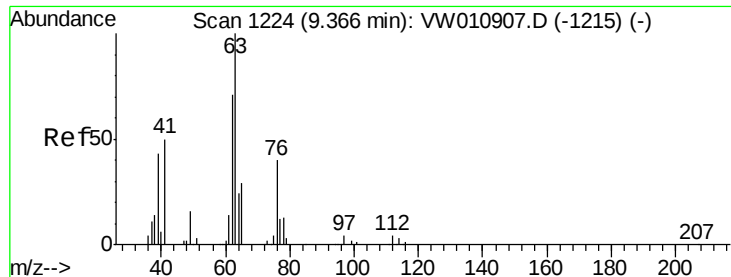
Abundance

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

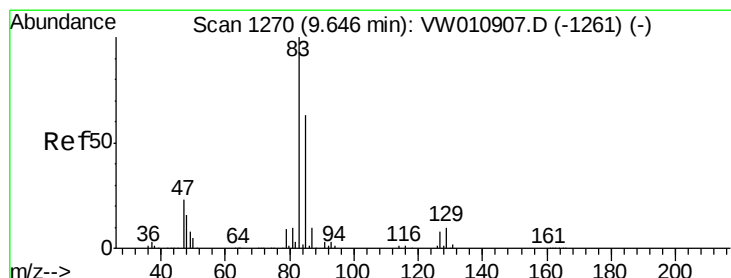
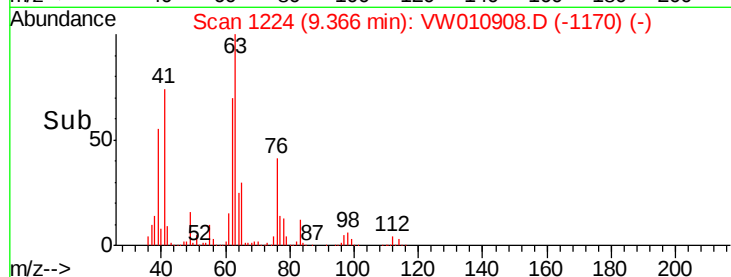
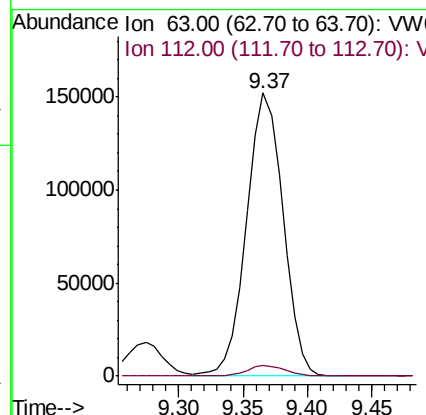
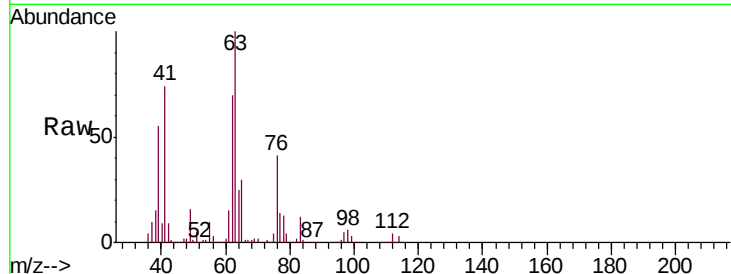




#40
 1,2-Dichloropropane
 Concen: 51.769 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW010908.D
 Acq: 21 Jun 2019 22:29

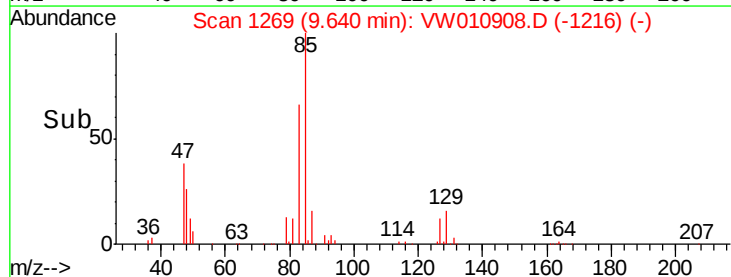
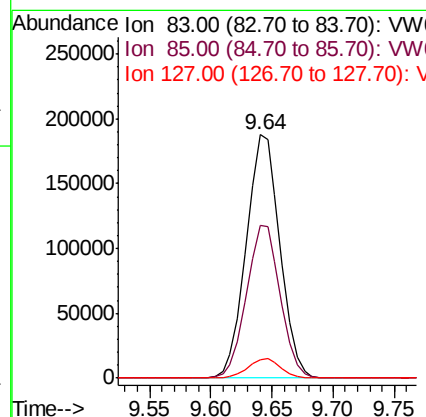
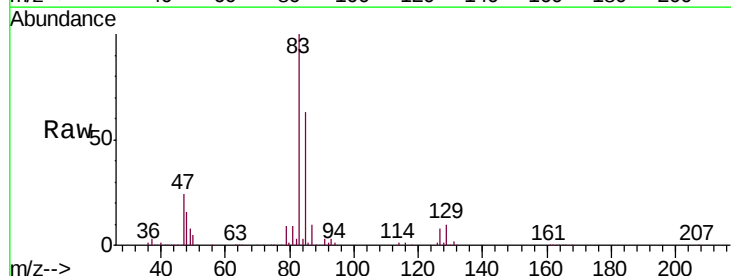
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05004

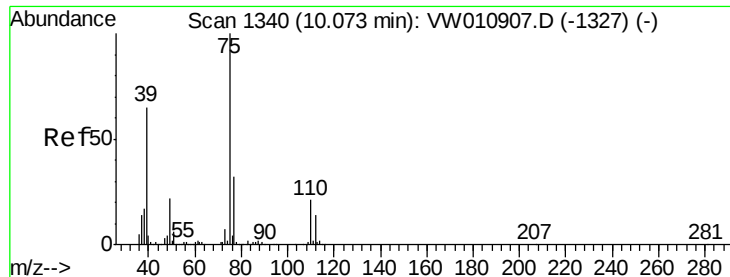
Tgt Ion: 63 Resp: 299417
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.2 4.8



#41
 Bromodichloromethane
 Concen: 52.936 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VW010908.D
 Acq: 21 Jun 2019 22:29

Tgt Ion: 83 Resp: 358537
 Ion Ratio Lower Upper
 83 100
 85 62.6 43.8 81.4
 127 7.6 6.2 9.4





#42

cis-1,3-Dichloropropene

Concen: 53.060 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010908.D

Acq: 21 Jun 2019 22:29

Instrument :

MSVOA_W

ClientSampled :

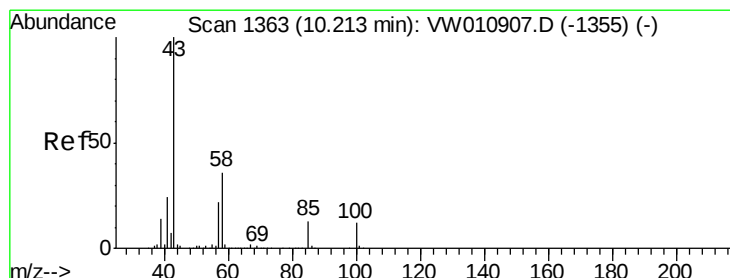
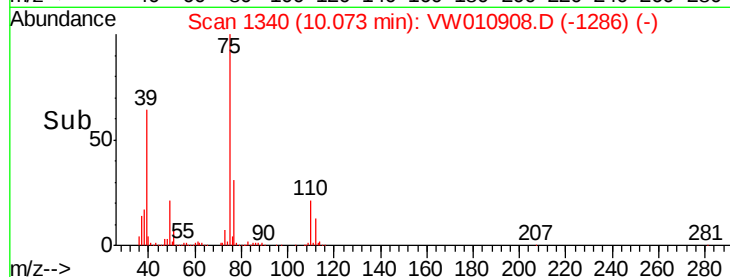
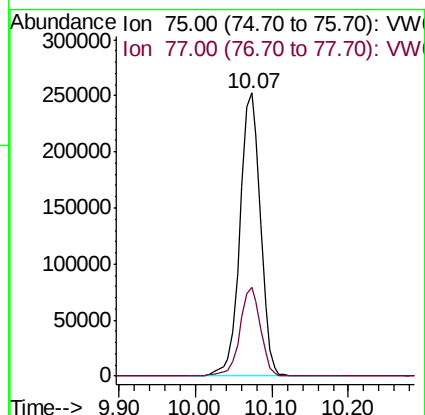
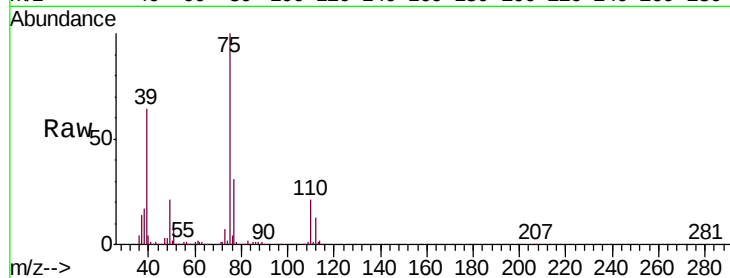
VSTD05004

Tgt Ion: 75 Resp: 468848

Ion Ratio Lower Upper

75 100

77 31.3 22.3 41.5



#43

4-Methyl-2-pentanone

Concen: 103.303 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW010908.D

Acq: 21 Jun 2019 22:29

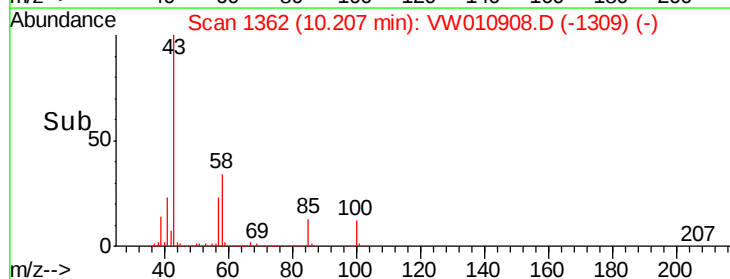
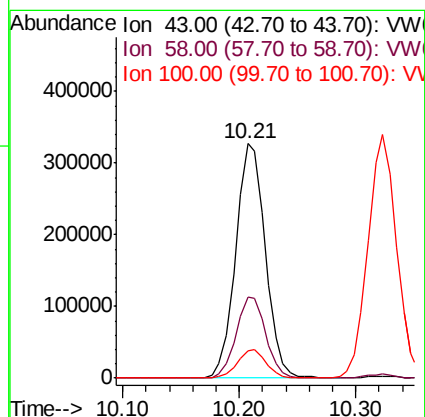
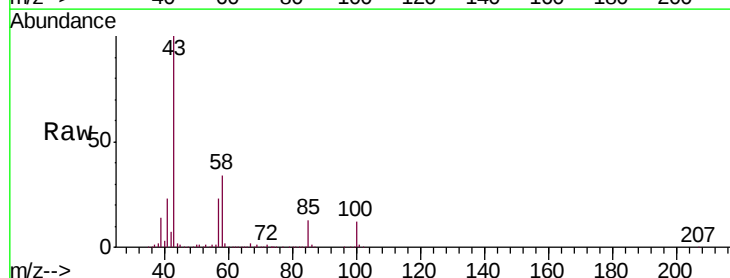
Tgt Ion: 43 Resp: 579303

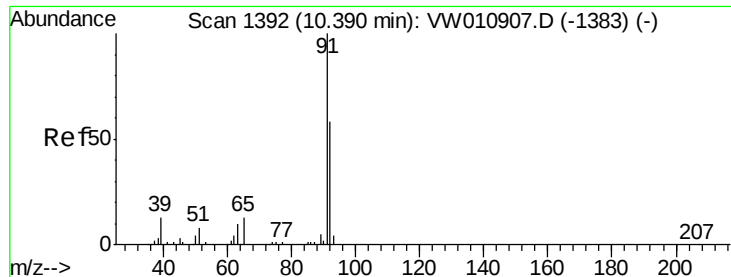
Ion Ratio Lower Upper

43 100

58 34.6 27.9 41.9

100 11.9 9.4 14.2





#44

Toluene

Concen: 52.035 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW010908.D

Acq: 21 Jun 2019 22:29

Instrument :

MSVOA_W

ClientSampleId :

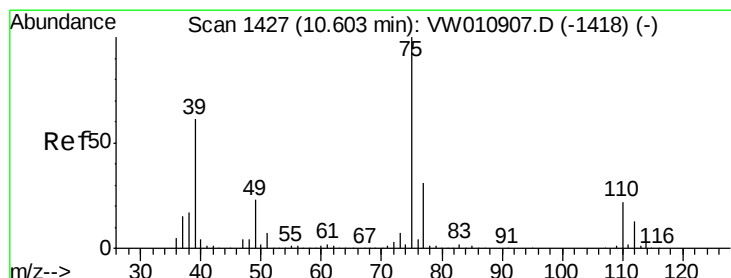
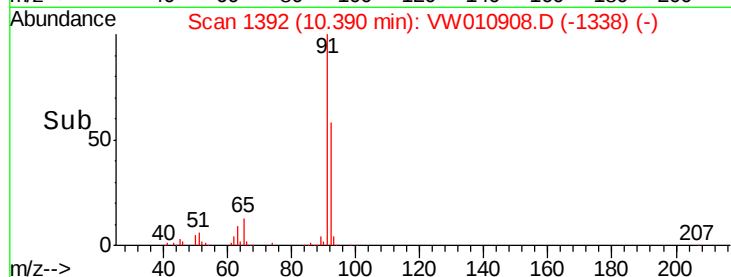
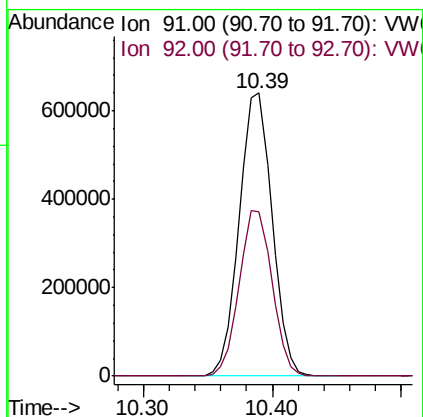
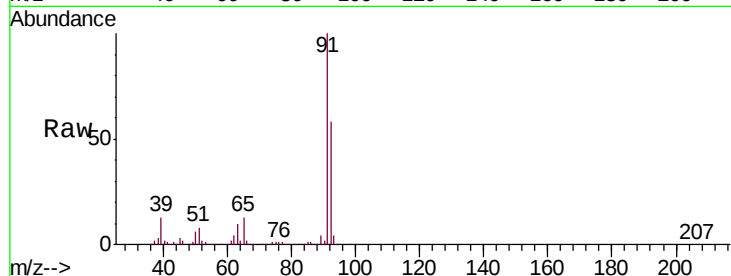
VSTD05004

Tgt Ion: 91 Resp: 1132333

Ion Ratio Lower Upper

91 100

92 58.1 40.5 75.3



#45

trans-1,3-Dichloropropene

Concen: 52.522 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010908.D

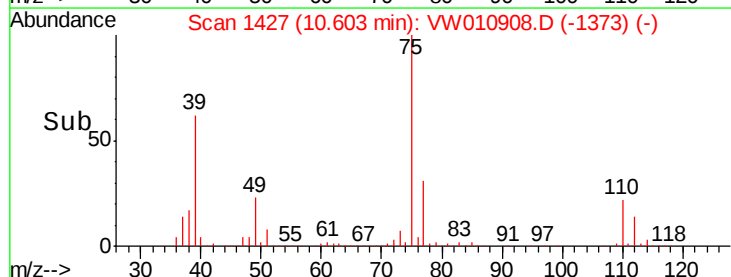
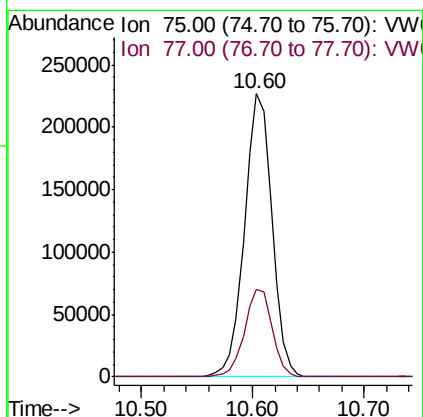
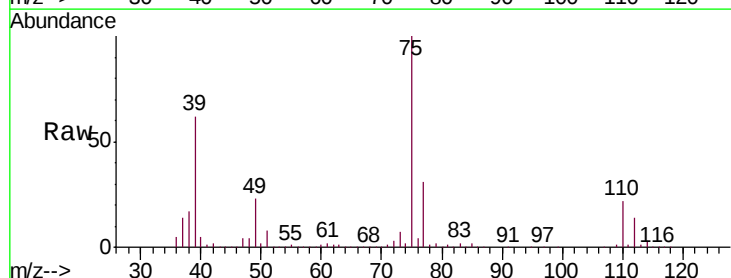
Acq: 21 Jun 2019 22:29

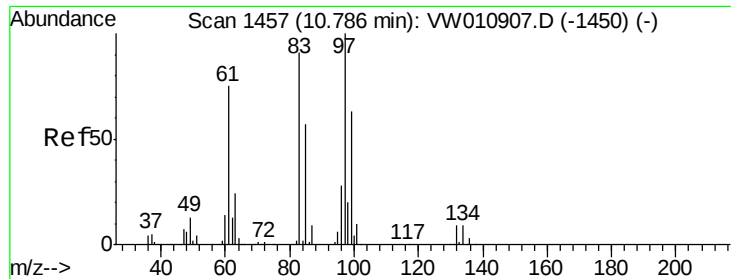
Tgt Ion: 75 Resp: 389557

Ion Ratio Lower Upper

75 100

77 31.0 21.5 39.9





#46

1,1,2-Trichloroethane

Concen: 50.698 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW010908.D

Acq: 21 Jun 2019 22:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD05004

Tgt Ion: 97 Resp: 208636

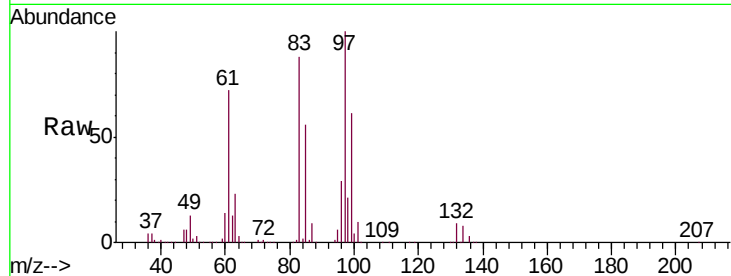
Ion Ratio Lower Upper

97 100

83 87.6 63.5 117.9

85 55.5 39.9 74.1

99 61.5 44.4 82.4



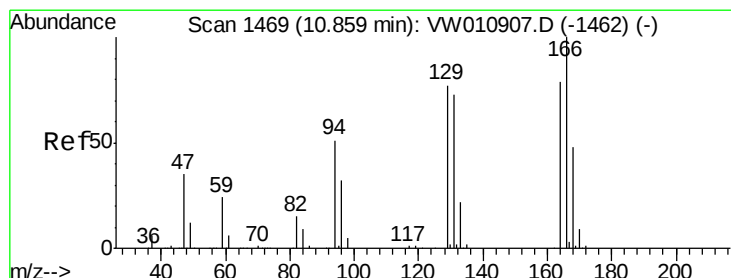
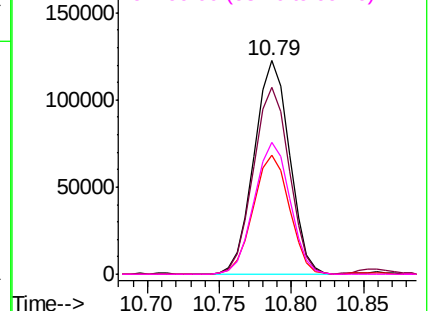
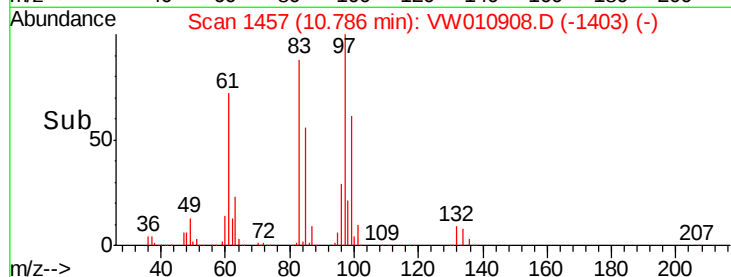
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 50.185 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW010908.D

Acq: 21 Jun 2019 22:29

Tgt Ion: 164 Resp: 198563

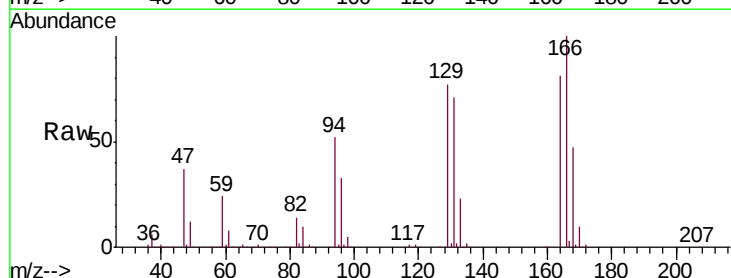
Ion Ratio Lower Upper

164 100

129 94.8 68.5 127.3

131 87.7 65.3 121.3

166 123.6 88.9 165.1



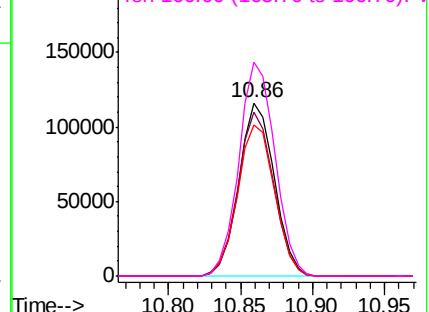
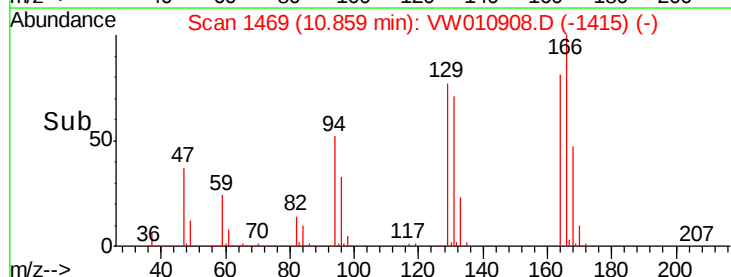
Abundance

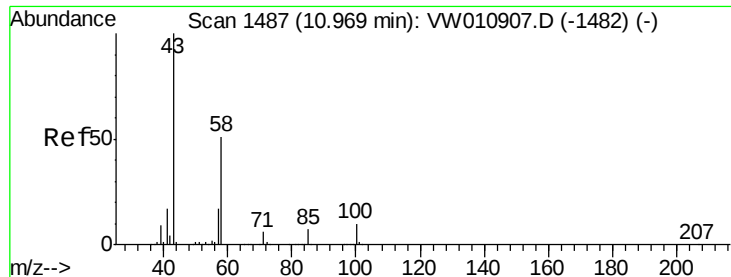
Ion 164.00 (163.70 to 164.70): V

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

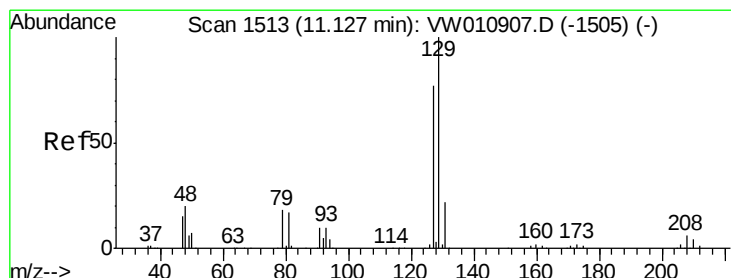
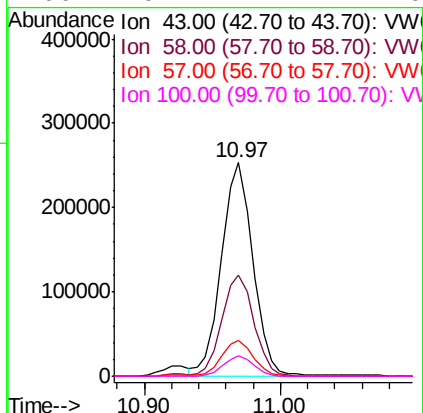
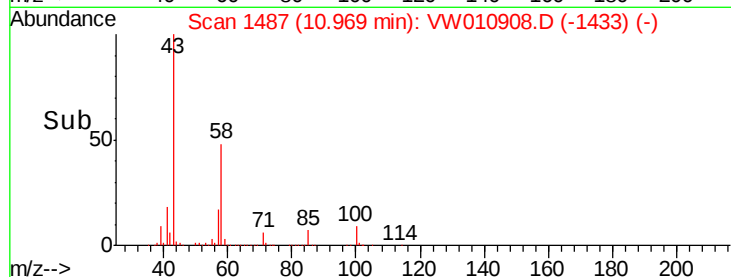
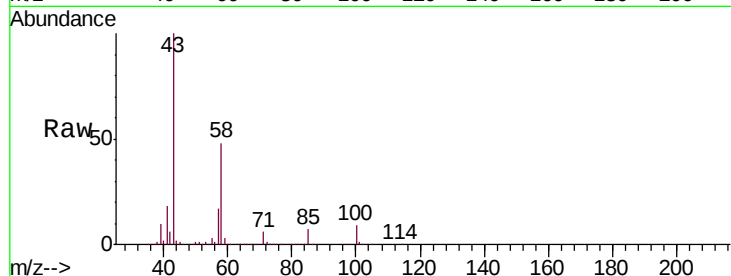




#49
2-Hexanone
Concen: 100.638 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010908.D
Acq: 21 Jun 2019 22:29

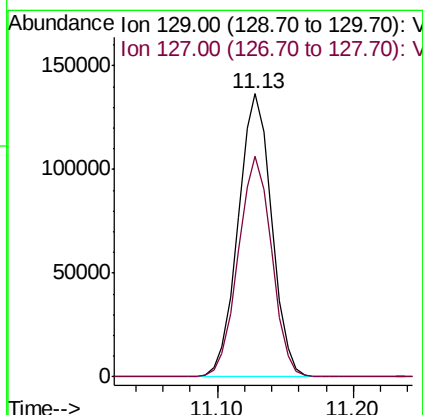
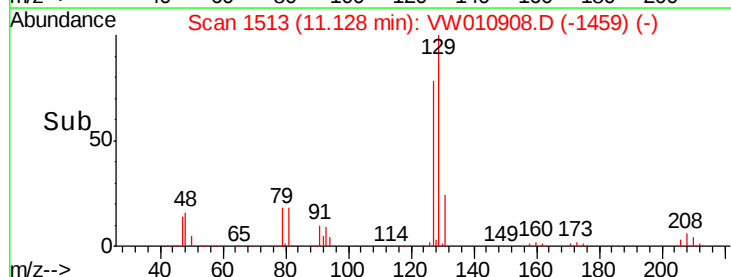
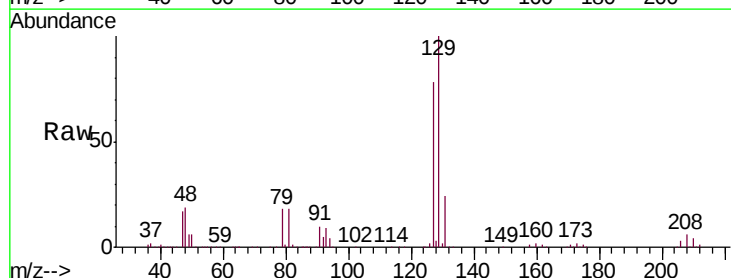
Instrument :
MSVOA_W
ClientSampleId :
VSTD05004

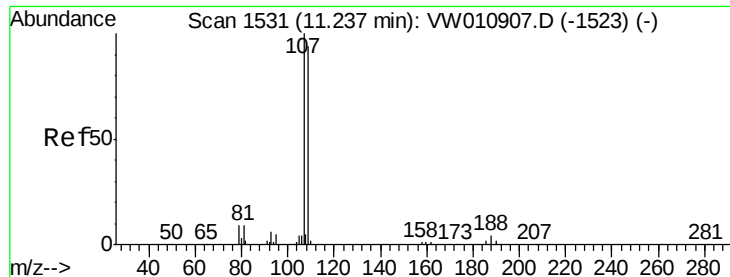
Tgt Ion:	43	Resp:	410018
Ion	Ratio	Lower	Upper
43	100		
58	47.6	38.2	57.2
57	16.9	13.5	20.3
100	9.2	7.4	11.0



#50
Dibromochloromethane
Concen: 51.867 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010908.D
Acq: 21 Jun 2019 22:29

Tgt Ion:	129	Resp:	235054
Ion	Ratio	Lower	Upper
129	100		
127	78.0	53.5	99.5





#51

1,2-Dibromoethane

Concen: 51.948 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW010908.D

Acq: 21 Jun 2019 22:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD05004

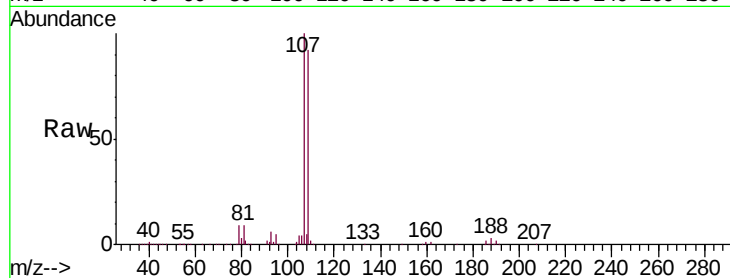
Tgt Ion:107 Resp: 206668

Ion Ratio Lower Upper

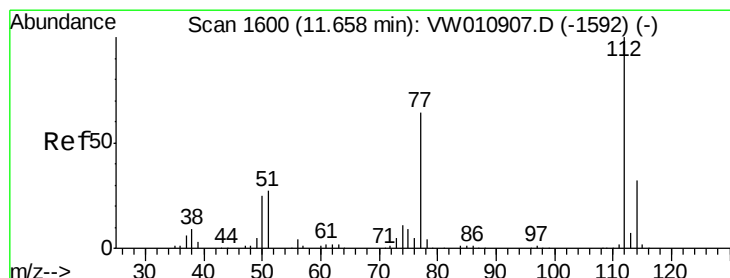
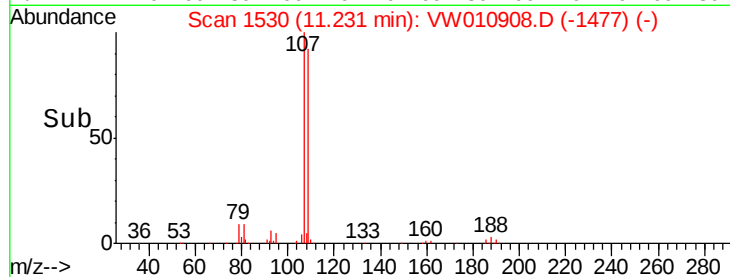
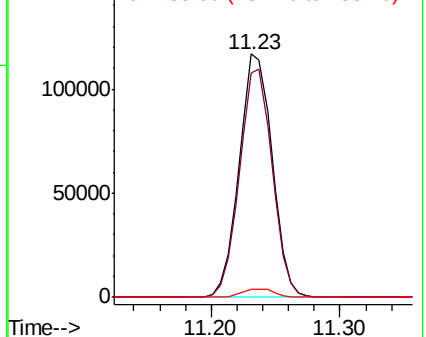
107 100

109 92.1 65.7 121.9

188 3.4 3.0 4.4



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 50.778 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW010908.D

Acq: 21 Jun 2019 22:29

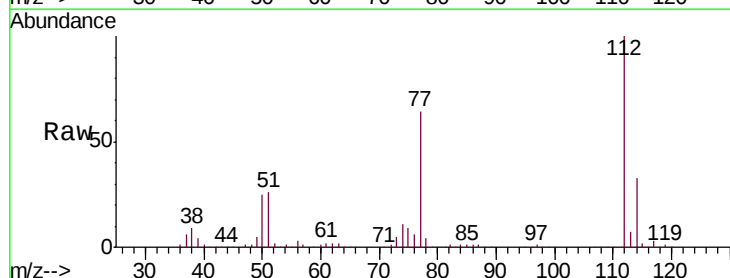
Tgt Ion:112 Resp: 684278

Ion Ratio Lower Upper

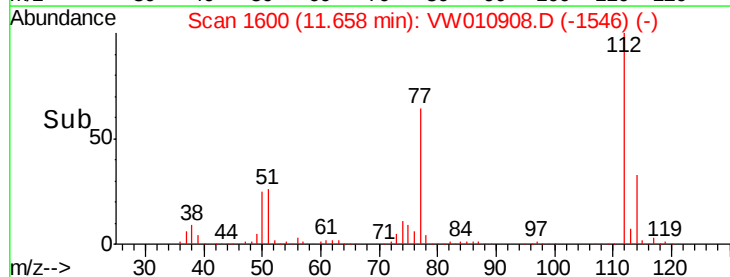
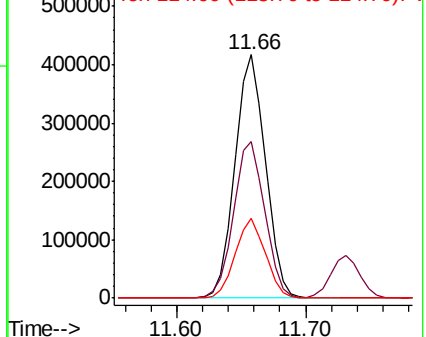
112 100

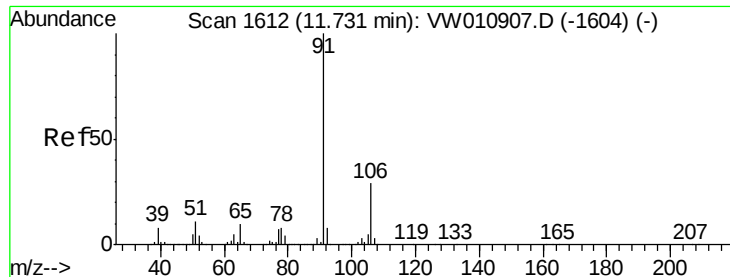
77 64.2 51.4 77.0

114 32.5 22.5 41.9



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 51.294 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW010908.D

Acq: 21 Jun 2019 22:29

Instrument :

MSVOA_W

ClientSampleId :

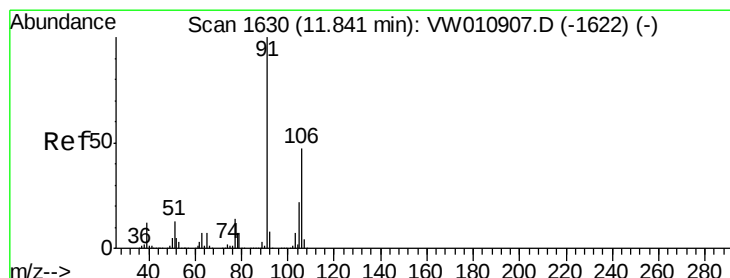
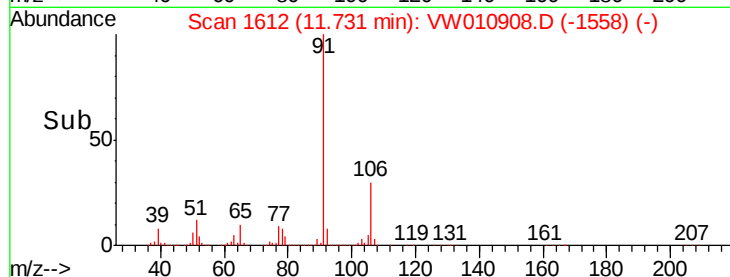
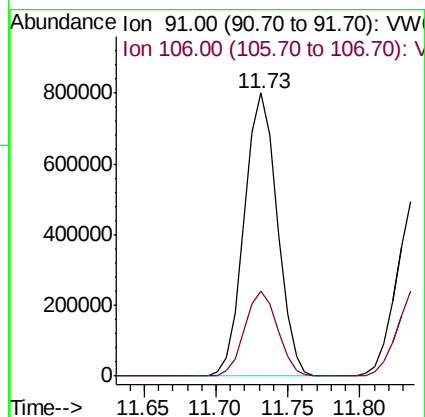
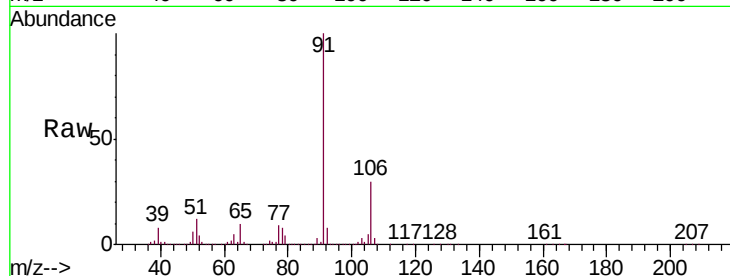
VSTD05004

Tgt Ion: 91 Resp: 1269559

Ion Ratio Lower Upper

91 100

106 30.0 20.6 38.2



#54

m,p-Xylene

Concen: 51.826 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW010908.D

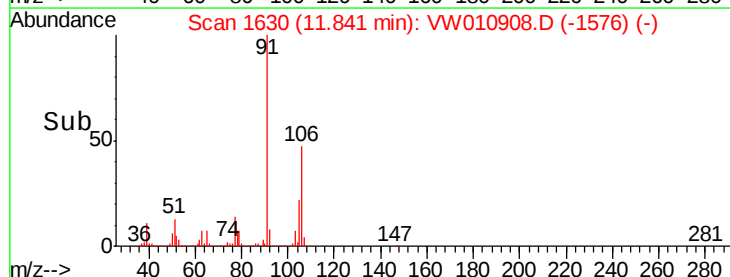
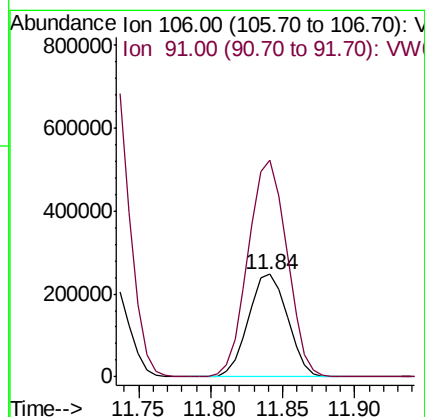
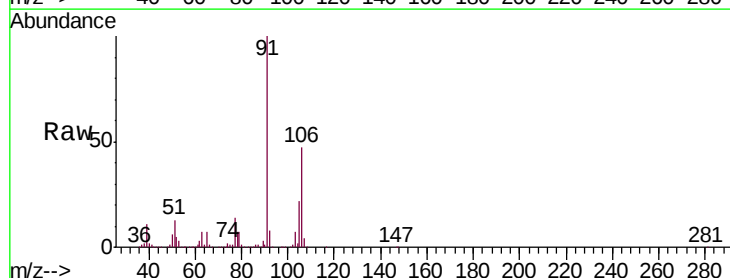
Acq: 21 Jun 2019 22:29

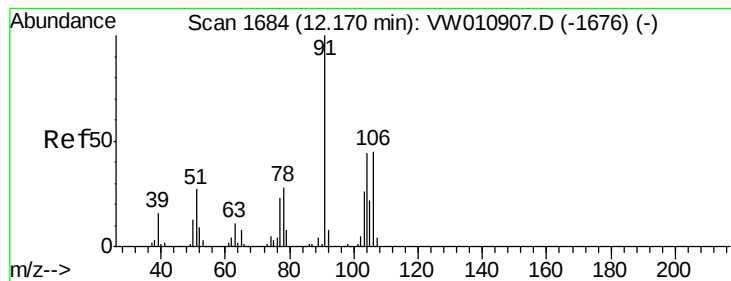
Tgt Ion: 106 Resp: 464207

Ion Ratio Lower Upper

106 100

91 210.8 148.3 275.3





#55

o-xylene

Concen: 52.013 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW010908.D

Acq: 21 Jun 2019 22:29

Instrument :

MSVOA_W

ClientSampleId :

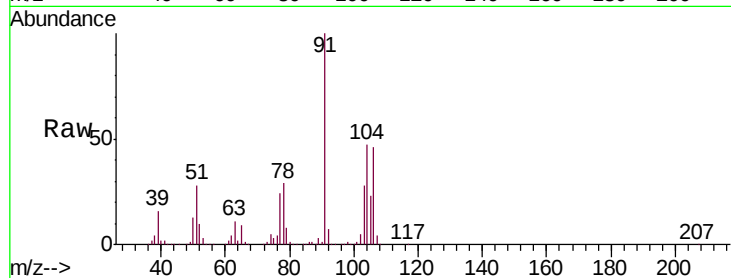
VSTD05004

Tgt Ion:106 Resp: 451612

Ion Ratio Lower Upper

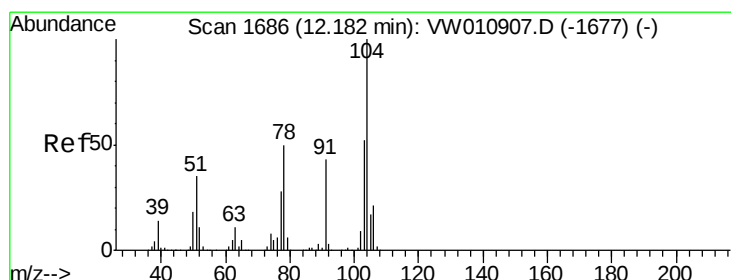
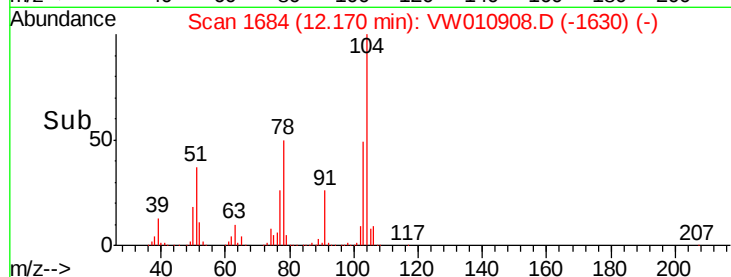
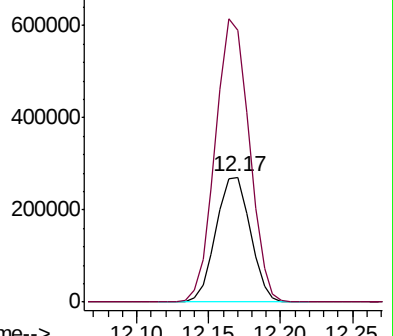
106 100

91 217.3 157.1 291.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 52.360 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW010908.D

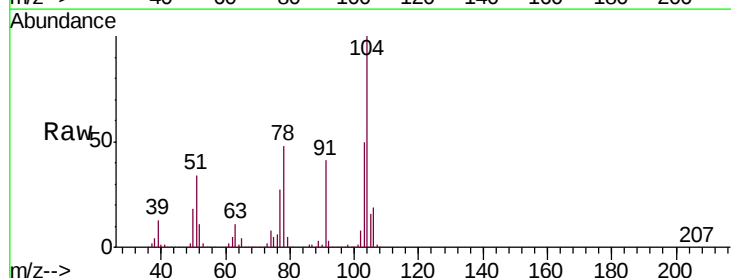
Acq: 21 Jun 2019 22:29

Tgt Ion:104 Resp: 791213

Ion Ratio Lower Upper

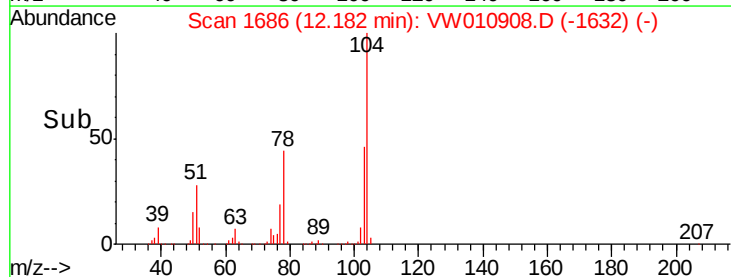
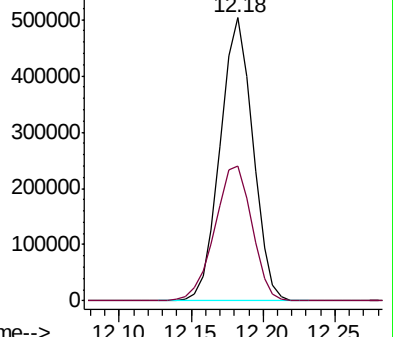
104 100

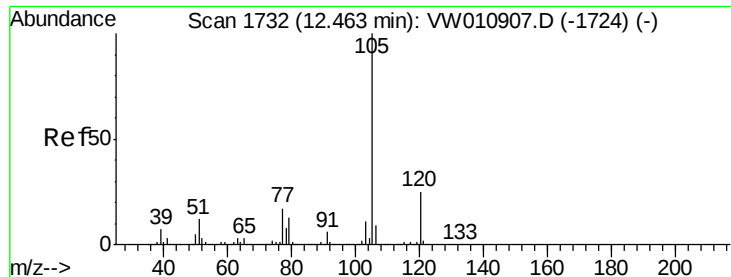
78 47.8 34.8 64.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 50.981 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW010908.D

Acq: 21 Jun 2019 22:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD05004

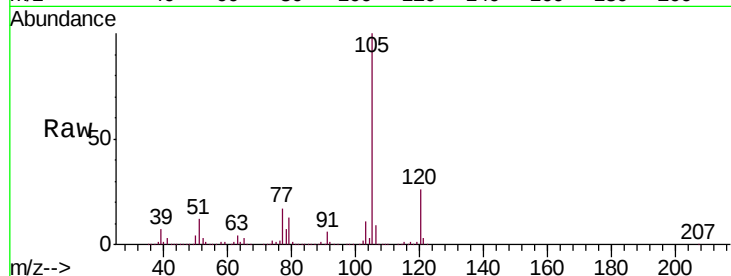
Tgt Ion: 105 Resp: 1203144

Ion Ratio Lower Upper

105 100

120 25.8 20.3 30.5

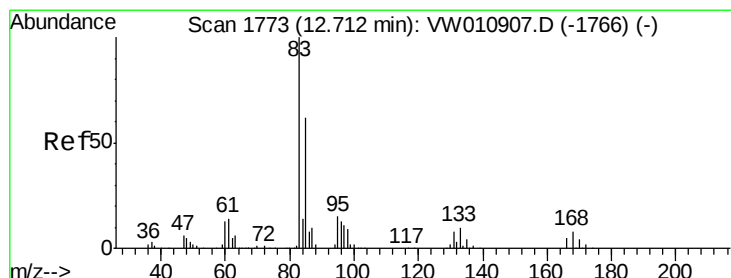
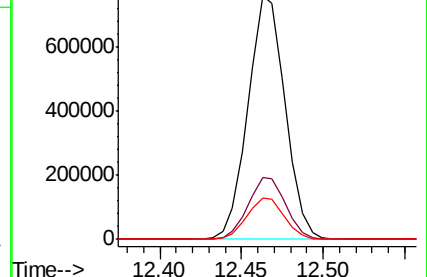
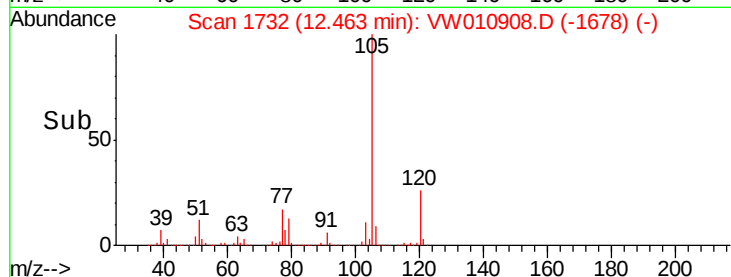
77 17.2 13.6 20.4



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: 50.280 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010908.D

Acq: 21 Jun 2019 22:29

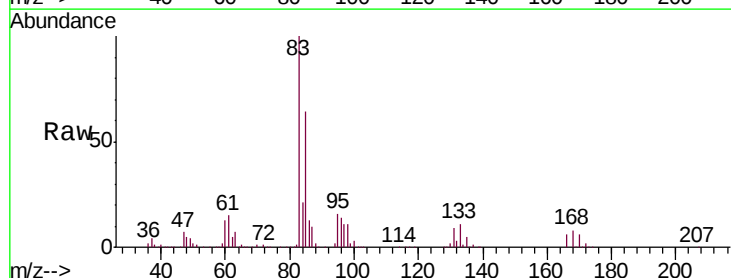
Tgt Ion: 83 Resp: 277181

Ion Ratio Lower Upper

83 100

85 63.7 43.8 81.3

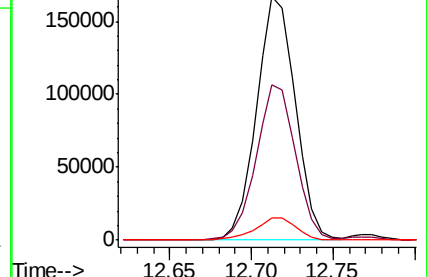
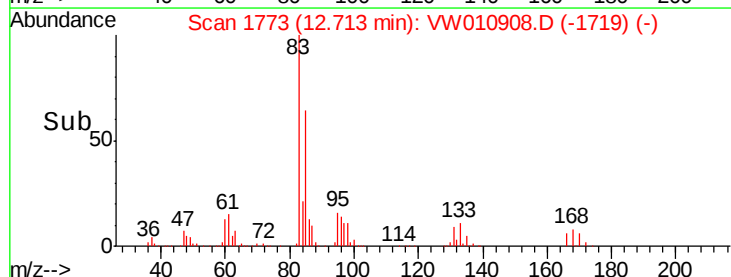
131 9.1 6.9 10.3

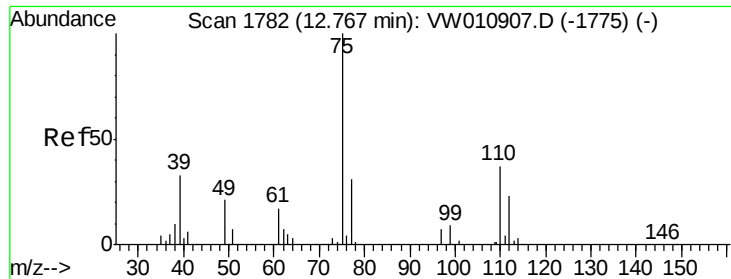


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

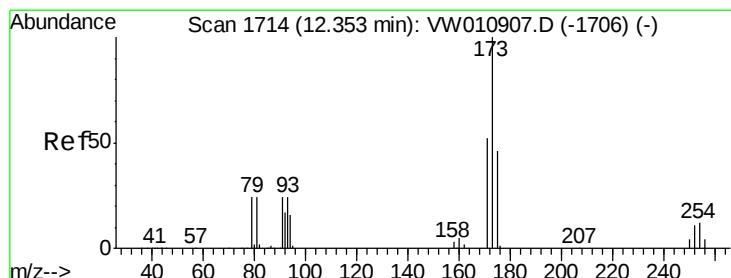
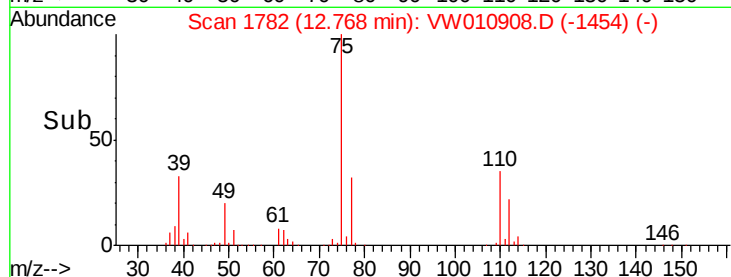
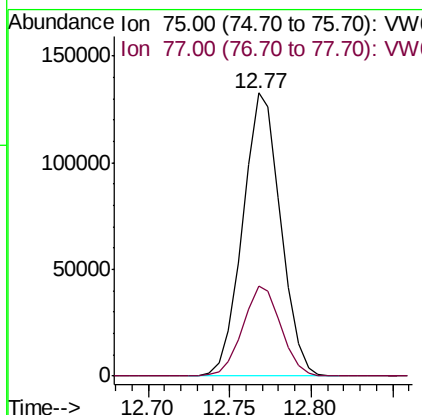
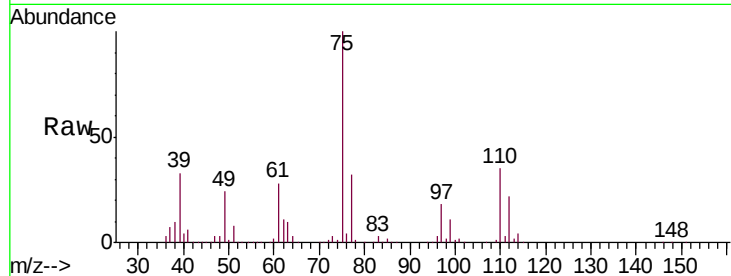




#59
 1,2,3-Trichloropropane
 Concen: 49.277 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW010908.D
 Acq: 21 Jun 2019 22:29

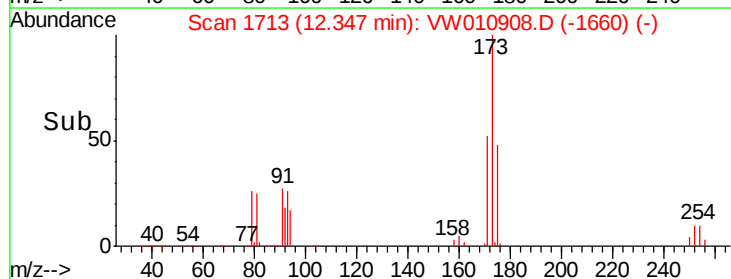
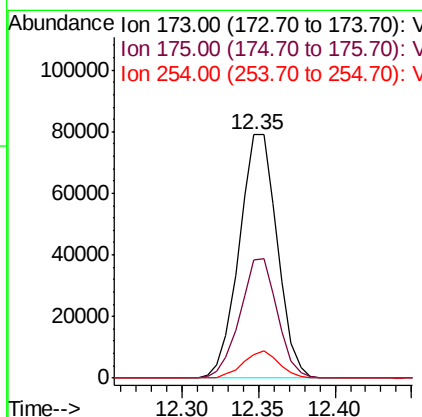
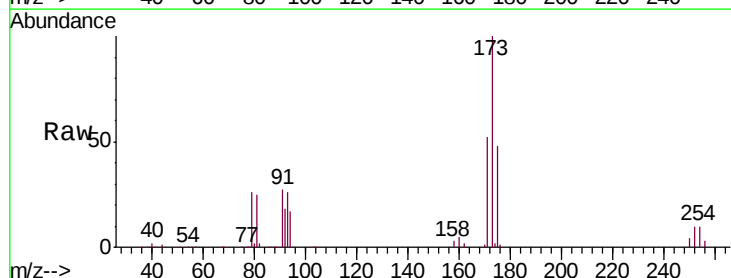
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05004

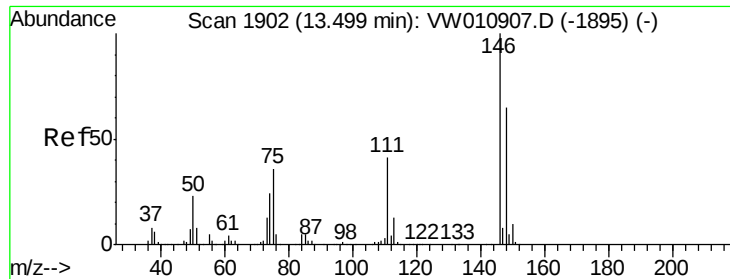
Tgt Ion: 75 Resp: 214527
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.4 38.2



#62
 Bromoform
 Concen: 50.460 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.01 min
 Lab File: VW010908.D
 Acq: 21 Jun 2019 22:29

Tgt Ion: 173 Resp: 136670
 Ion Ratio Lower Upper
 173 100
 175 48.0 38.2 57.2
 254 10.8 8.5 12.7

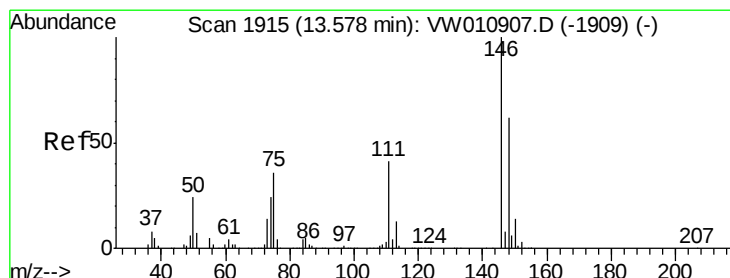
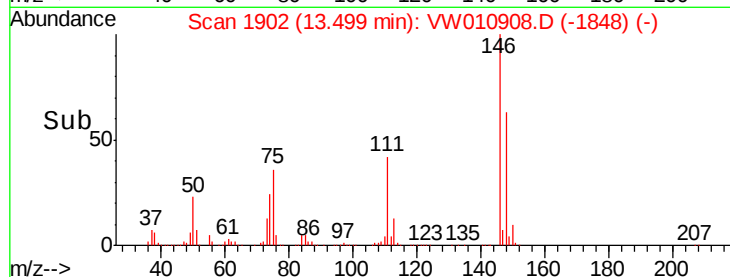
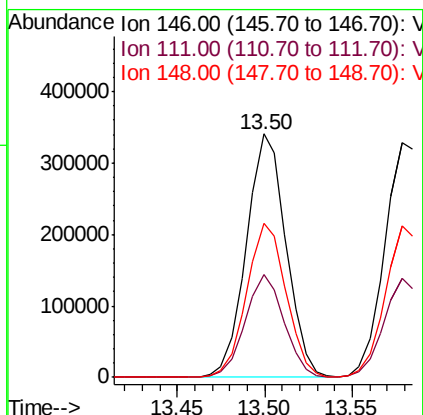
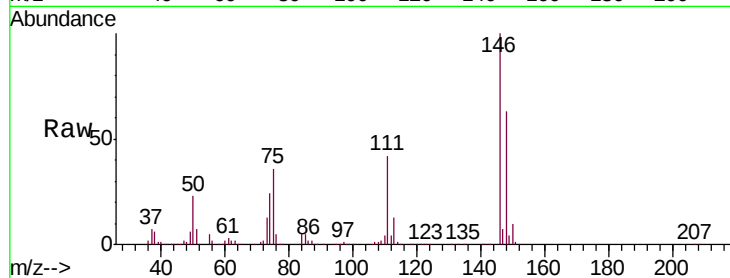




#63
 1,3-Dichlorobenzene
 Concen: 51.345 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010908.D
 Acq: 21 Jun 2019 22:29

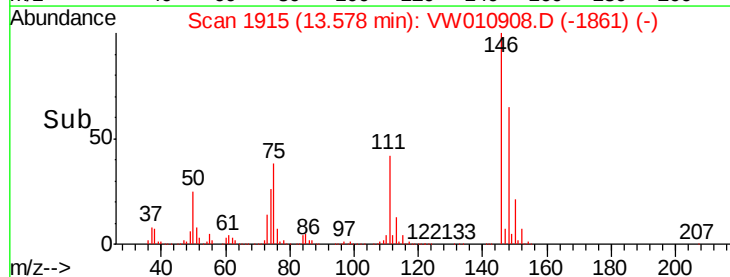
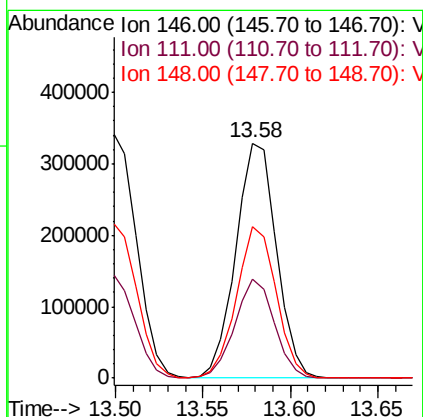
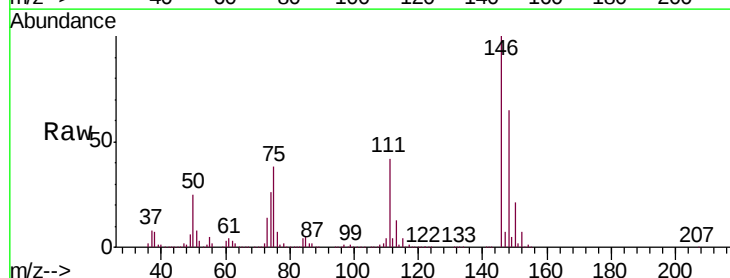
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD05004

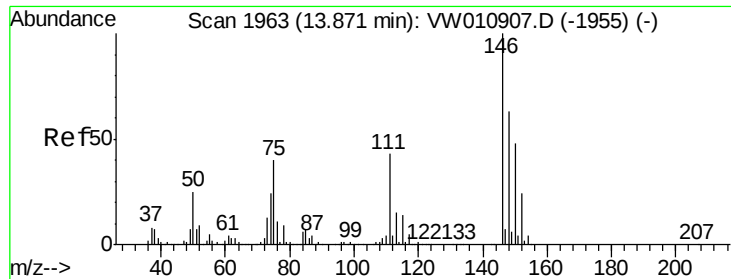
Tgt Ion:146 Resp: 535143
 Ion Ratio Lower Upper
 146 100
 111 42.0 28.8 53.6
 148 63.1 45.4 84.4



#64
 1,4-Dichlorobenzene
 Concen: 50.193 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW010908.D
 Acq: 21 Jun 2019 22:29

Tgt Ion:146 Resp: 531987
 Ion Ratio Lower Upper
 146 100
 111 41.9 28.7 53.3
 148 64.6 43.8 81.3

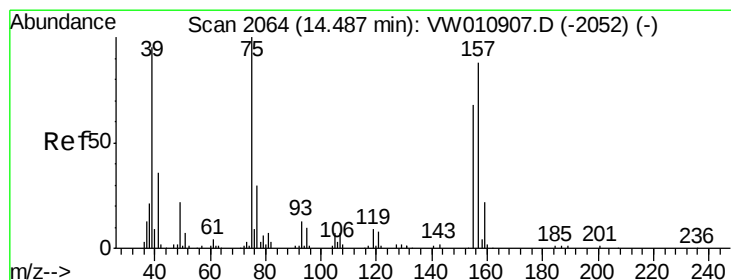
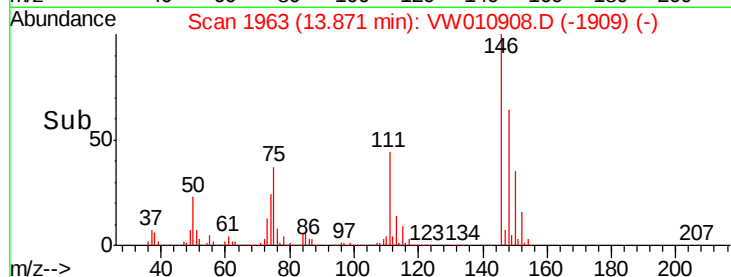
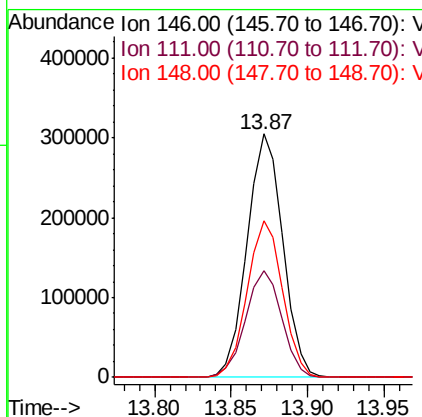
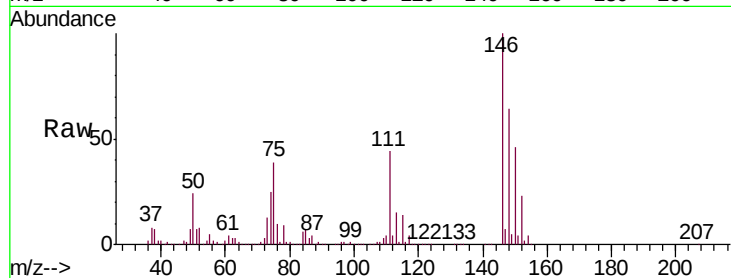




#65
 1,2-Dichlorobenzene
 Concen: 50.449 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010908.D
 Acq: 21 Jun 2019 22:29

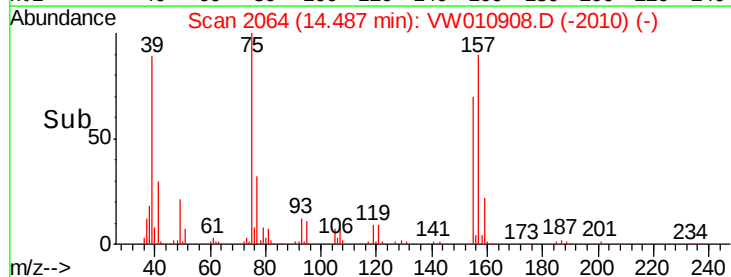
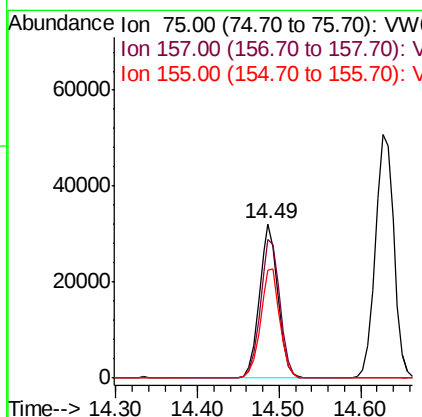
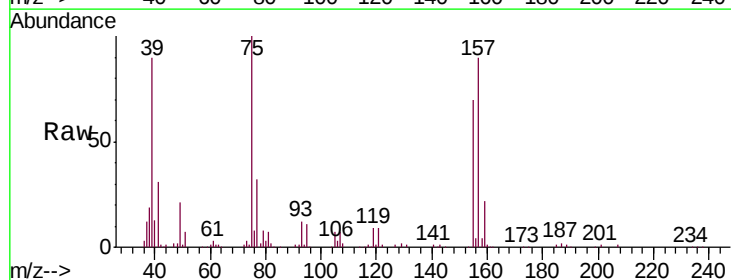
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05004

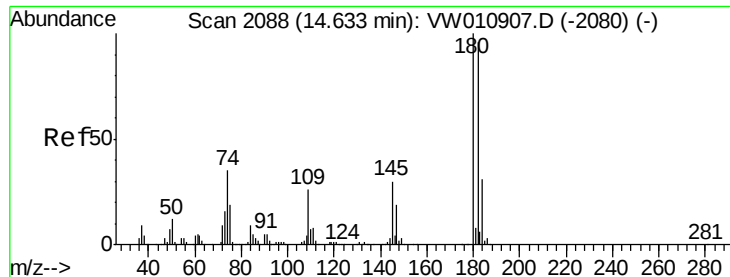
Tgt Ion: 146 Resp: 495219
 Ion Ratio Lower Upper
 146 100
 111 44.0 34.6 51.8
 148 64.3 50.6 76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 49.977 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010908.D
 Acq: 21 Jun 2019 22:29

Tgt Ion: 75 Resp: 51800
 Ion Ratio Lower Upper
 75 100
 157 90.1 70.1 105.1
 155 69.8 54.5 81.7

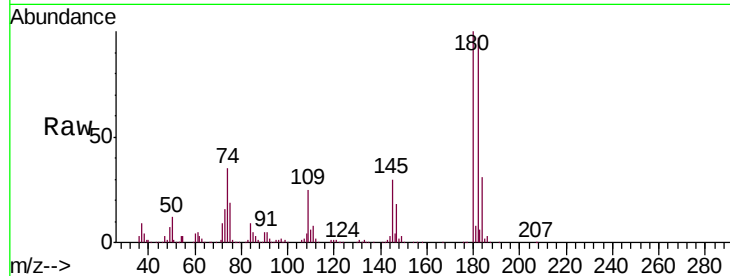




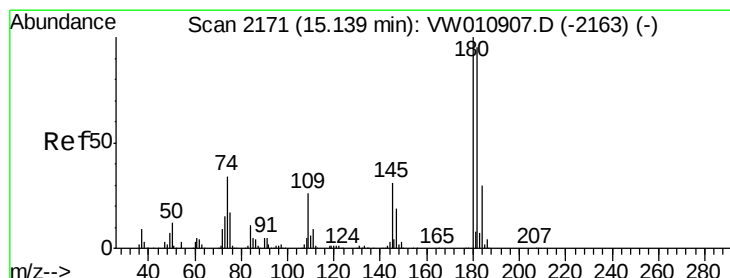
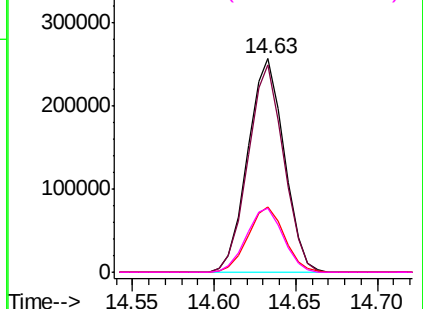
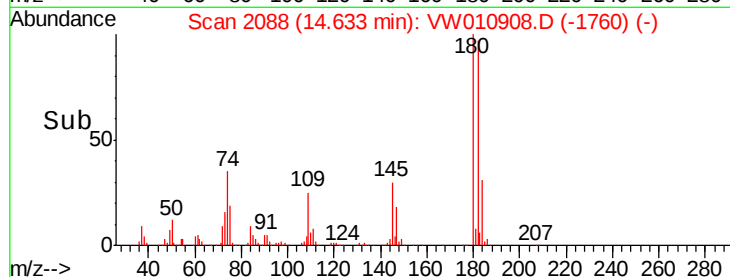
#67
 1,3,5-Trichlorobenzene
 Concen: 50.440 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW010908.D
 Acq: 21 Jun 2019 22:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05004

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	75.8	113.8
184	30.6	24.2	36.2
145	30.3	23.8	35.6

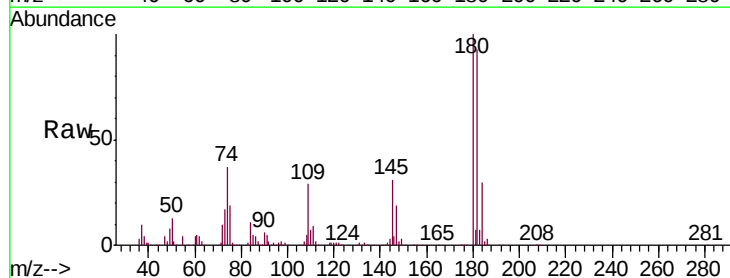


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

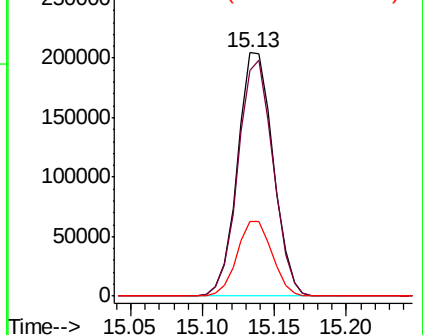
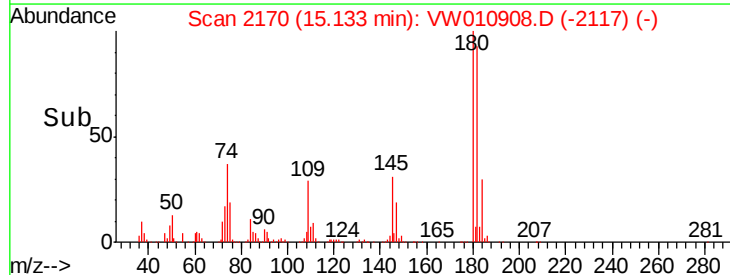


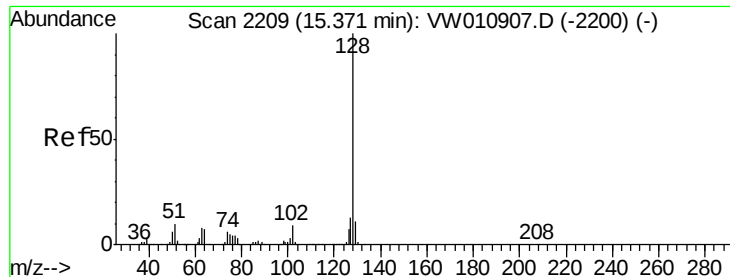
#68
 1,2,4-trichlorobenzene
 Concen: 53.069 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW010908.D
 Acq: 21 Jun 2019 22:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.6	114.8
145	30.5	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: 56.731 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW010908.D

Acq: 21 Jun 2019 22:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD05004

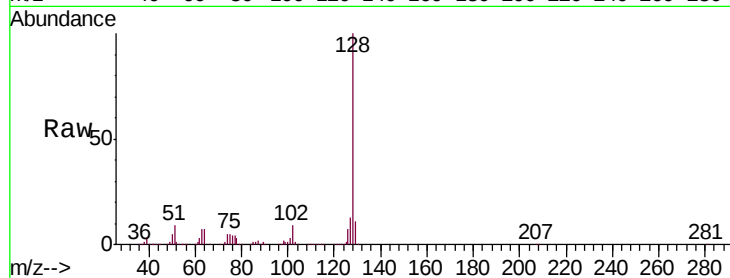
Tgt Ion:128 Resp: 805855

Ion Ratio Lower Upper

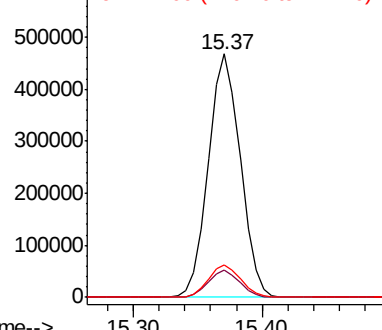
128 100

129 10.9 8.6 13.0

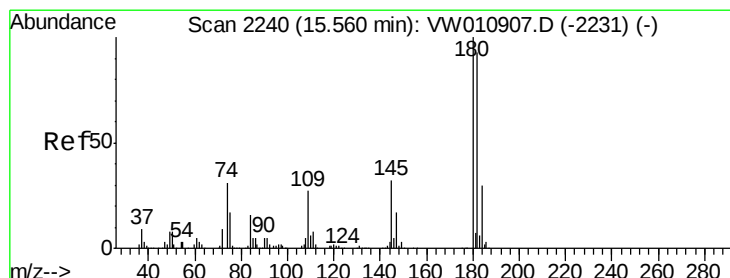
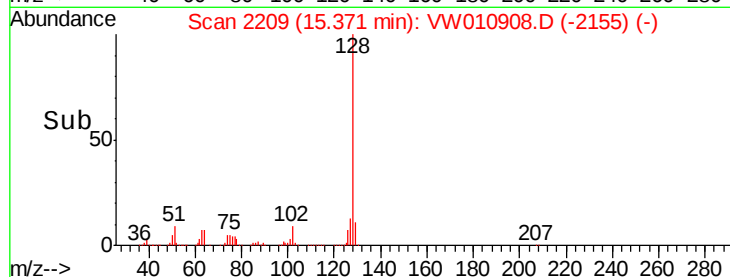
127 13.3 10.6 15.8



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



Time-->



#70

1,2,3-Trichlorobenzene

Concen: 54.109 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW010908.D

Acq: 21 Jun 2019 22:29

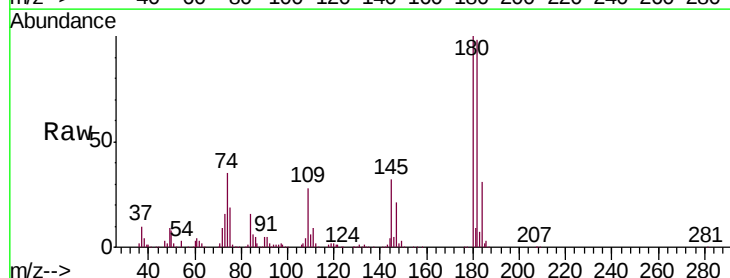
Tgt Ion:180 Resp: 324115

Ion Ratio Lower Upper

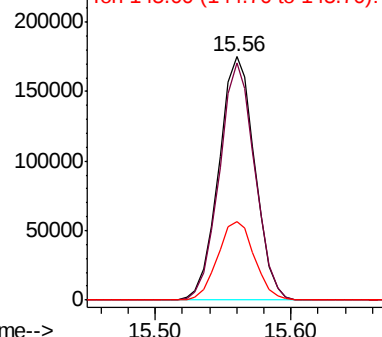
180 100

182 95.8 75.6 113.4

145 33.1 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



Time-->

