

Data File : VW010905.D
Acq On : 21 Jun 2019 21:08
Operator : SY/VA
Sample : VSTD2.501
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.501

Quant Time: Jun 22 05:35:15 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	372316	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	342315	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	163598	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	10532	1.99	ug/L	0.00
7) Chloroethane-d5	2.88	69	9528	2.35	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	24257	2.17	ug/L	0.00
20) 2-Butanone-d5	7.09	46	12295	5.46	ug/L	0.01
24) Chloroform-d	7.64	84	25054	3.09	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	16643	2.62	ug/L	0.00
29) Benzene-d6	8.27	84	51208	2.50	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	16872	2.55	ug/L	0.00
37) Toluene-d8	10.32	98	44276	2.40	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	6438	2.19	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	7988	5.05	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	14368	2.55	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	15631	2.51	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	11582	2.005 ug/L	86
3) Chloromethane	2.21	50	11876	1.844 ug/L	94
5) Vinyl chloride	2.36	62	10930	1.789 ug/L	94
6) Bromomethane	2.77	94	7313	2.577 ug/L	96
8) Chloroethane	2.92	64	7431	2.101 ug/L	85
9) Trichlorofluoromethane	3.25	101	3771	0.553 ug/L	92
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	11858	2.479 ug/L #	84
12) 1,1-Dichloroethene	4.05	96	10718	2.401 ug/L #	72
13) Acetone	4.13	43	12427	5.605 ug/L	90
14) Carbon disulfide	4.38	76	23027	1.749 ug/L	98
15) Methyl Acetate	4.67	43	9363	2.444 ug/L #	77
16) Methylene chloride	4.92	84	15994	3.026 ug/L	89
17) Methyl tert-butyl Ether	5.42	73	20501	1.548 ug/L	97
18) trans-1,2-Dichloroethene	5.42	96	11834	2.401 ug/L	91
19) 1,1-Dichloroethane	6.21	63	25477	2.495 ug/L	97
21) 2-Butanone	7.17	43	18791	5.961 ug/L	95
22) cis-1,2-Dichloroethene	7.17	96	13592	2.440 ug/L	89
23) Bromochloromethane	7.51	128	5935	2.559 ug/L	94
25) Chloroform	7.67	83	24091	2.116 ug/L	100
27) 1,2-Dichloroethane	8.40	62	19817	2.610 ug/L	97
30) Cyclohexane	7.95	56	23728	2.299 ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	16481	2.079 ug/L	97
32) Carbon tetrachloride	8.06	117	13942	2.070 ug/L	98
34) Benzene	8.32	78	52995	2.479 ug/L	100
35) Trichloroethene	9.09	95	13334	2.443 ug/L	98
36) Methylcyclohexane	9.33	83	22914	2.365 ug/L	98
40) 1,2-Dichloropropane	9.37	63	14563	2.446 ug/L	99
41) Bromodichloromethane	9.64	83	16047	2.302 ug/L	94
42) cis-1,3-Dichloropropene	10.07	75	19358	2.128 ug/L	96
43) 4-Methyl-2-pentanone	10.21	43	32219	5.582 ug/L	99

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Quant Title : VOC Analysis
QLast Update : Sat Jun 22 05:32:32 2019
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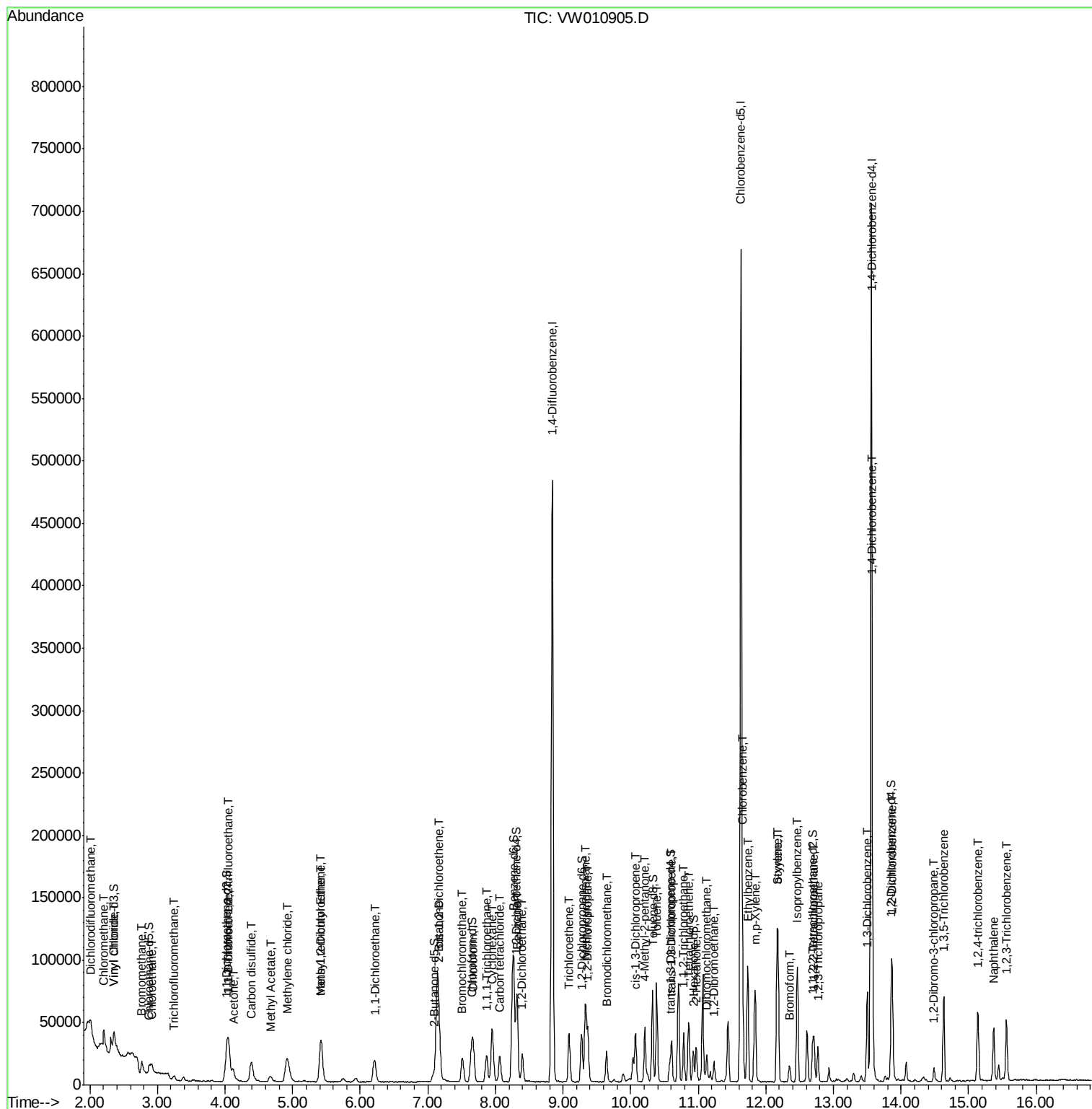
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.38	91	54020	2.412	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	15939	2.088	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	10951	2.585	ug/L	96
47) Tetrachloroethene	10.86	164	10139	2.490	ug/L	97
49) 2-Hexanone	10.97	43	19887	4.742	ug/L	99
50) Dibromochloromethane	11.13	129	9716	2.083	ug/L	93
51) 1,2-Dibromoethane	11.24	107	10107	2.468	ug/L	95
52) Chlorobenzene	11.66	112	35149	2.534	ug/L	95
53) Ethylbenzene	11.73	91	61363	2.409	ug/L	99
54) m,p-Xylene	11.84	106	22151	2.403	ug/L	99
55) o-xylene	12.16	106	21360	2.390	ug/L	100
56) Styrene	12.18	104	35037	2.253	ug/L	99
57) Isopropylbenzene	12.46	105	56653	2.332	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	14042	2.475	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	11316	2.525	ug/L	98
62) Bromoform	12.35	173	5567	2.035	ug/L #	98
63) 1,3-Dichlorobenzene	13.50	146	25241	2.398	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	26569	2.482	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	24773	2.498	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.49	75	2579	2.463	ug/L	100
67) 1,3,5-Trichlorobenzene	14.63	180	19447	2.431	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	16586	2.482	ug/L	98
69) Naphthalene	15.37	128	34413	2.398	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	15711	2.597	ug/L	98

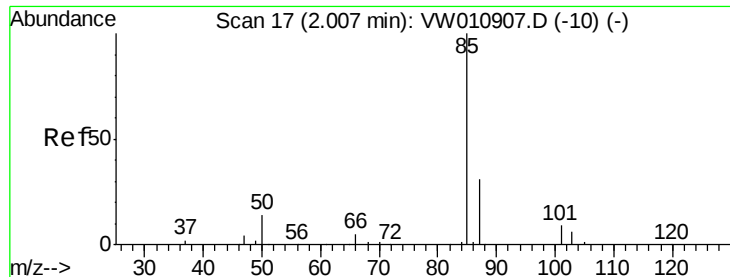
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.005 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

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Acq: 21 Jun 2019 21:08

Instrument :

MSVOA_W

ClientSampleId :

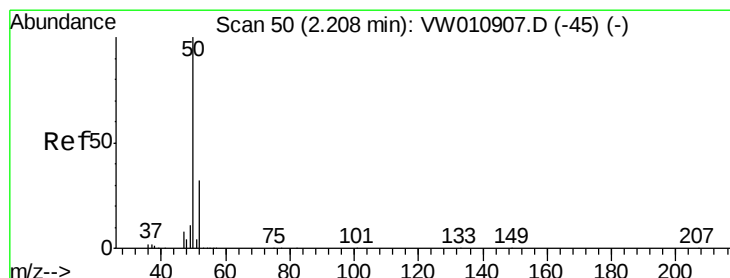
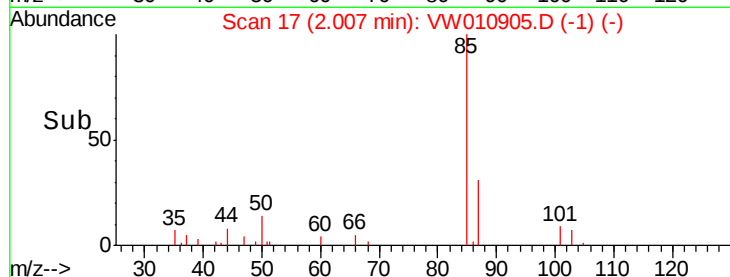
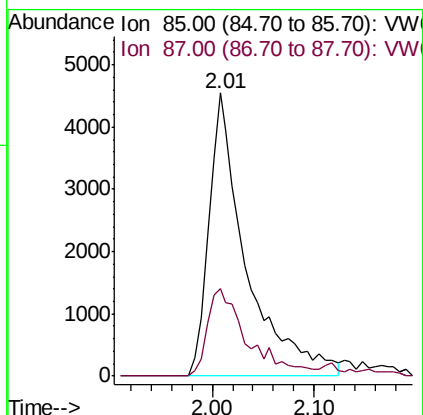
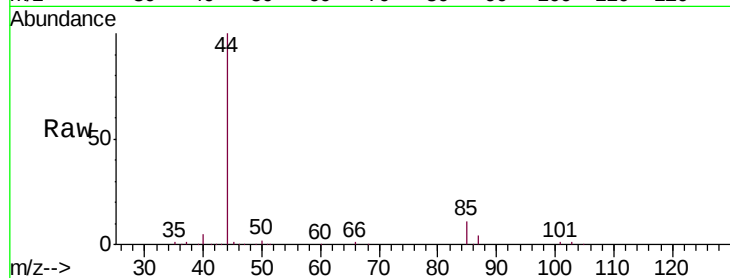
VSTD2.501

Tgt Ion: 85 Resp: 11582

Ion Ratio Lower Upper

85 100

87 25.7 23.4 43.4



#3

Chloromethane

Concen: 1.844 ug/L

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW010905.D

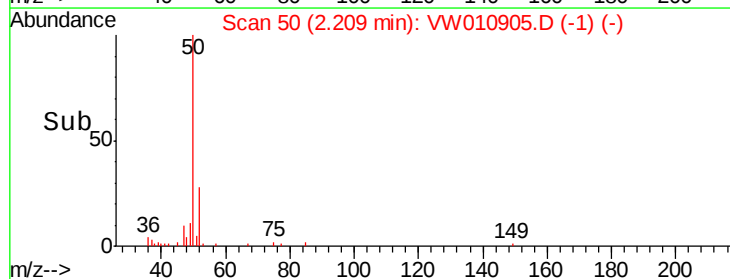
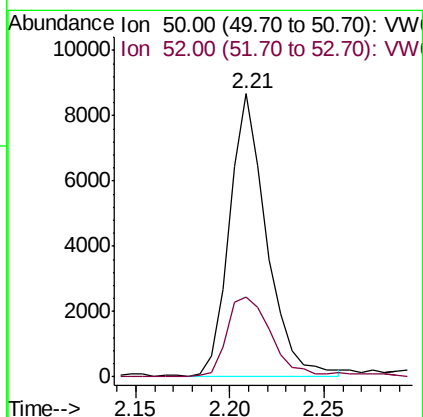
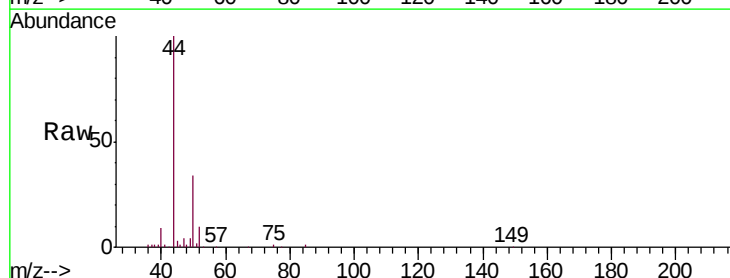
Acq: 21 Jun 2019 21:08

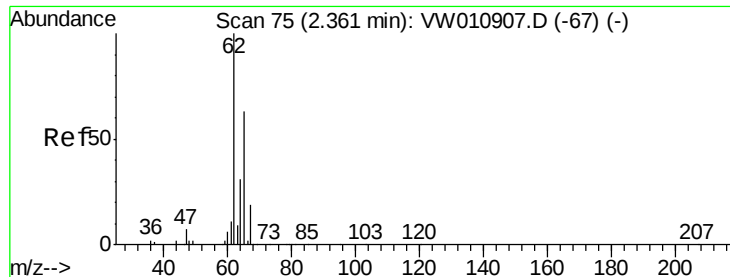
Tgt Ion: 50 Resp: 11876

Ion Ratio Lower Upper

50 100

52 28.4 22.2 41.2





#5

Vinyl chloride

Concen: 1.789 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW010905.D

Acq: 21 Jun 2019 21:08

Instrument :

MSVOA_W

ClientSampled :

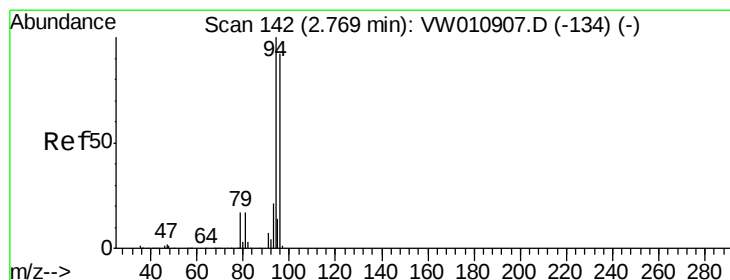
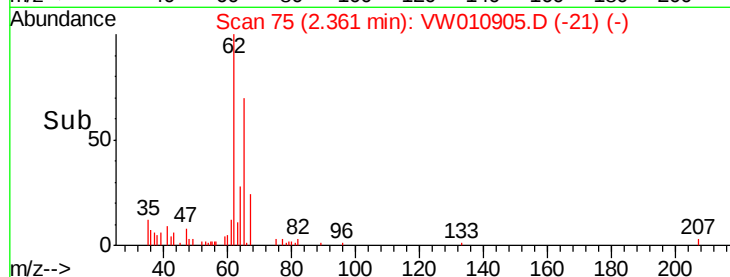
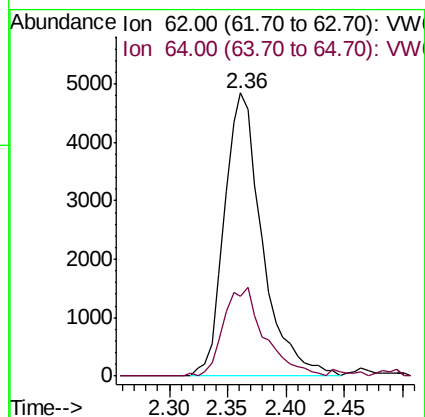
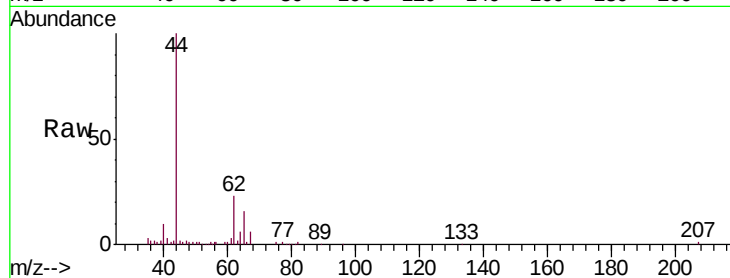
VSTD2.501

Tgt Ion: 62 Resp: 10930

Ion Ratio Lower Upper

62 100

64 28.0 21.8 40.6



#6

Bromomethane

Concen: 2.577 ug/L

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW010905.D

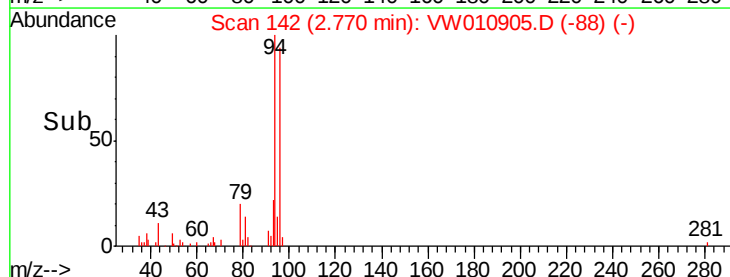
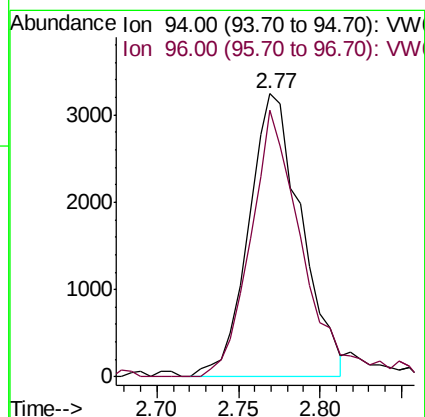
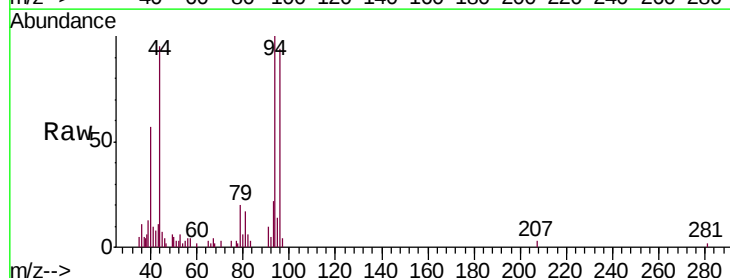
Acq: 21 Jun 2019 21:08

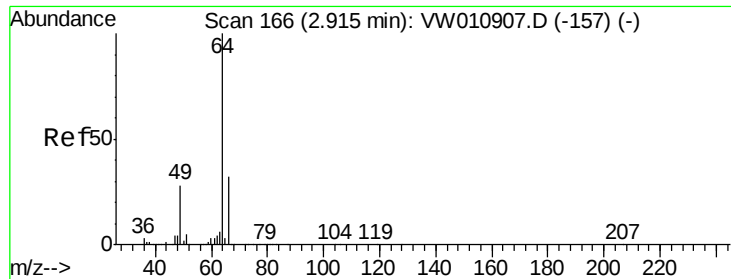
Tgt Ion: 94 Resp: 7313

Ion Ratio Lower Upper

94 100

96 88.8 9.2 175.6





#8

Chloroethane

Concen: 2.101 ug/L

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW010905.D

Acq: 21 Jun 2019 21:08

Instrument :

MSVOA_W

ClientSampleId :

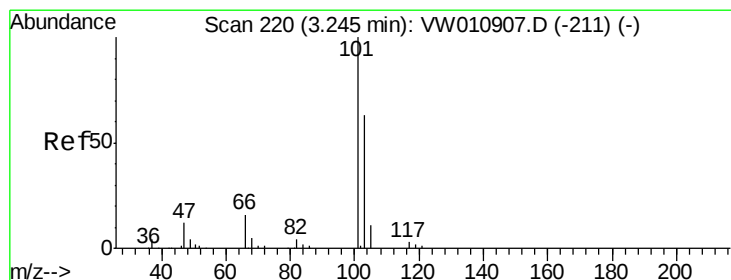
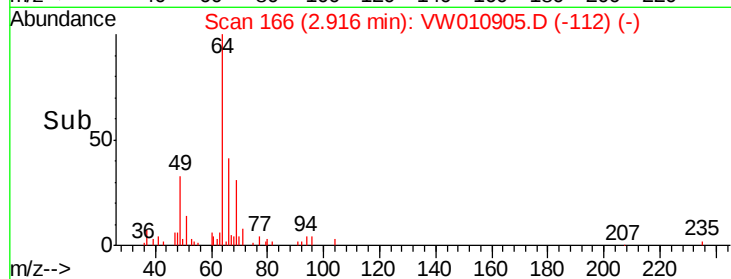
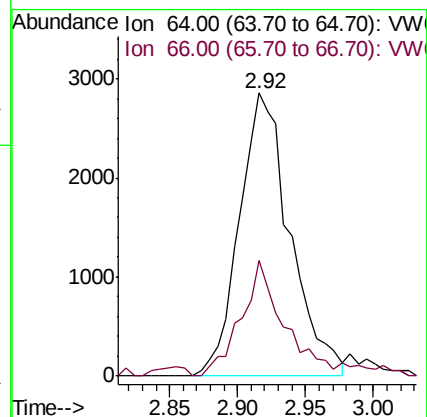
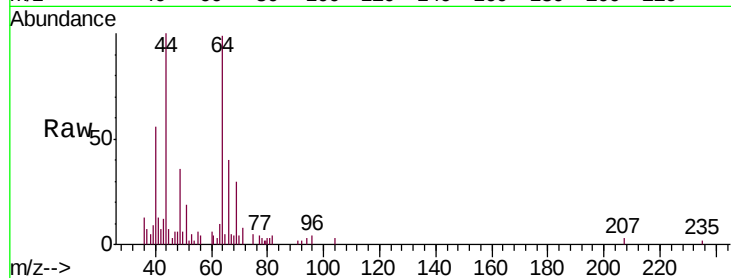
VSTD2.501

Tgt Ion: 64 Resp: 7431

Ion Ratio Lower Upper

64 100

66 40.7 22.6 42.0



#9

Trichlorofluoromethane

Concen: 0.553 ug/L

RT: 3.25 min Scan# 220

Delta R.T. 0.00 min

Lab File: VW010905.D

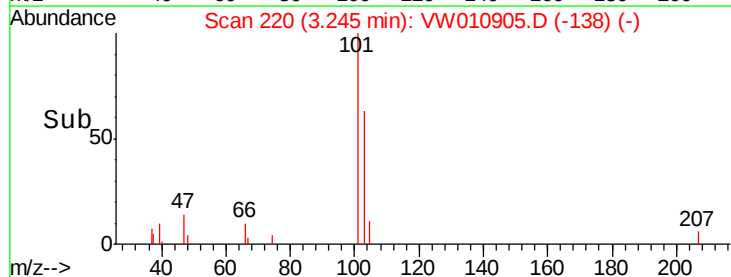
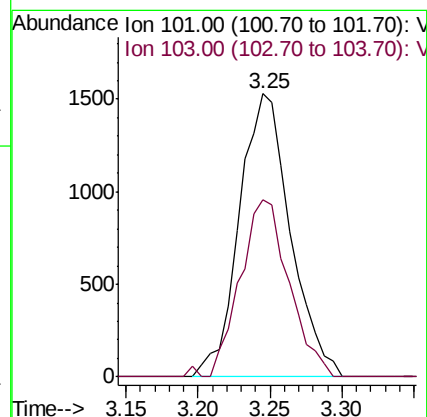
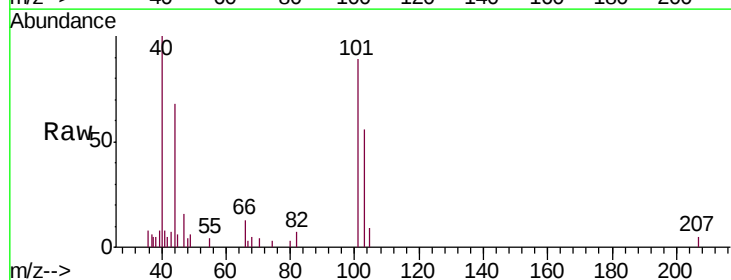
Acq: 21 Jun 2019 21:08

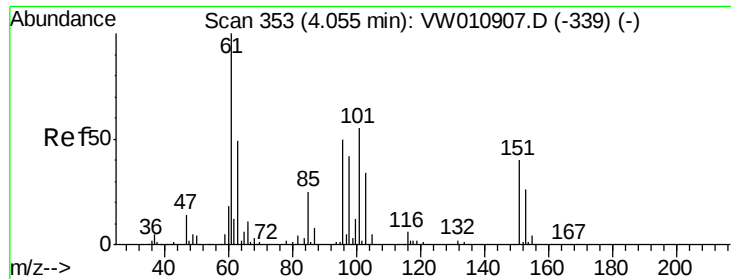
Tgt Ion: 101 Resp: 3771

Ion Ratio Lower Upper

101 100

103 59.5 46.1 85.5





#11

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

Concen: 2.479 ug/L

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW010905.D

Acq: 21 Jun 2019 21:08

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.501

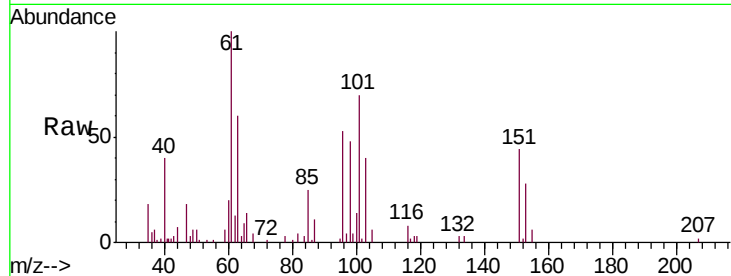
Tgt Ion:101 Resp: 11858

Ion Ratio Lower Upper

101 100

85 19.8 36.5 54.7#

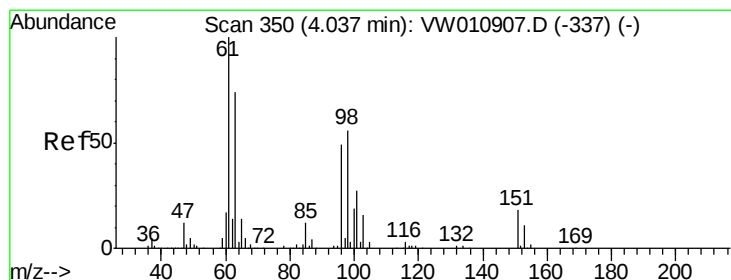
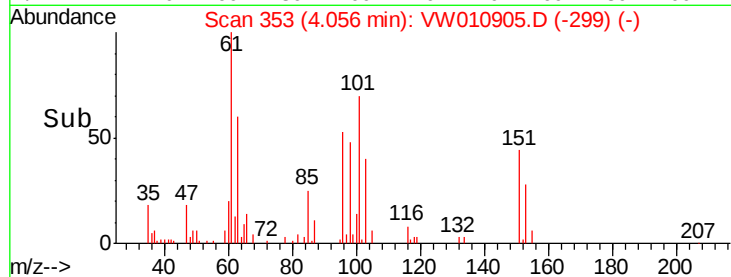
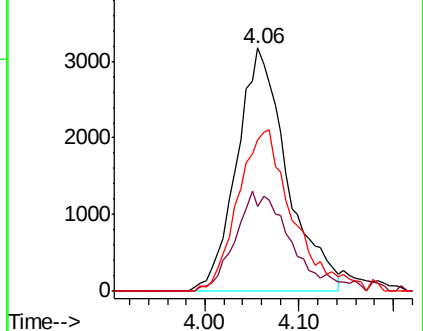
151 71.5 58.6 88.0



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: 2.401 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.01 min

Lab File: VW010905.D

Acq: 21 Jun 2019 21:08

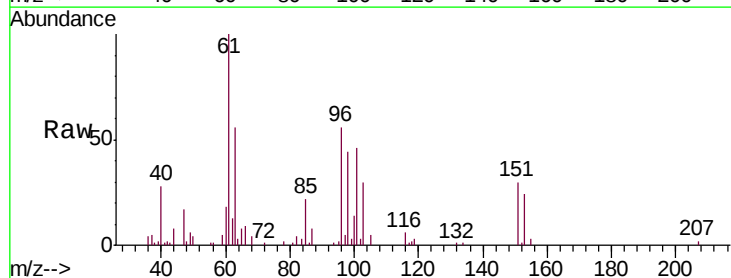
Tgt Ion: 96 Resp: 10718

Ion Ratio Lower Upper

96 100

61 179.8 144.3 267.9

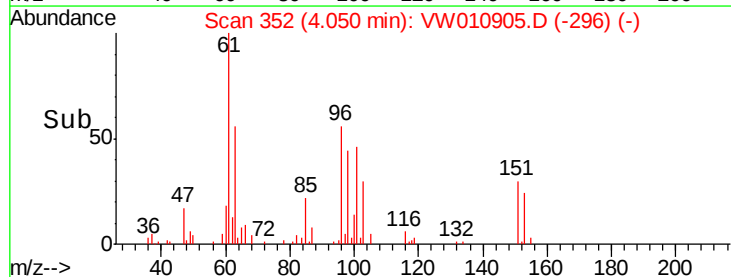
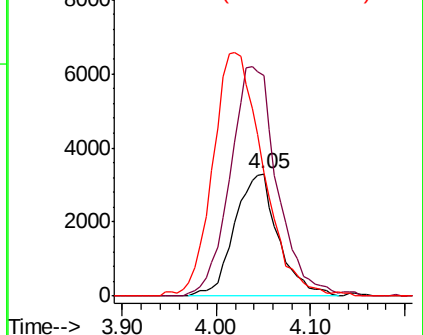
63 101.0 108.4 201.2#

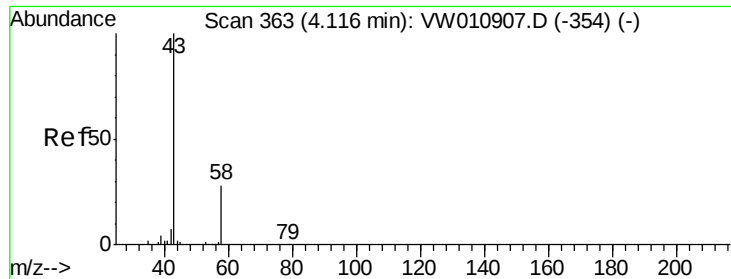


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 5.605 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

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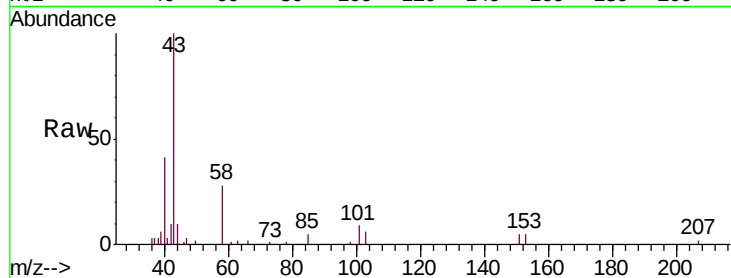
VSTD2.501

Tgt Ion: 43 Resp: 12427

Ion Ratio Lower Upper

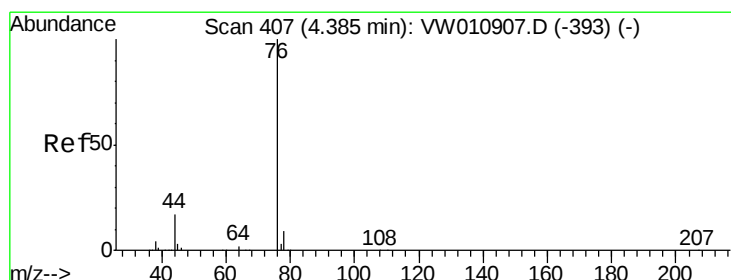
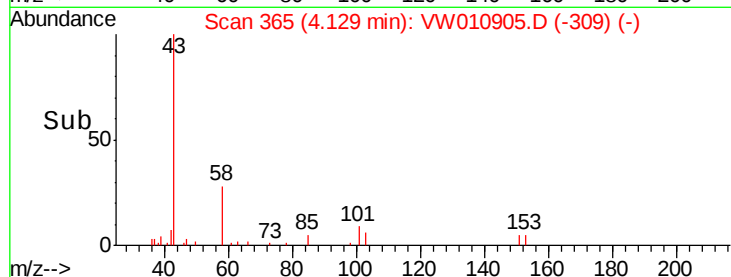
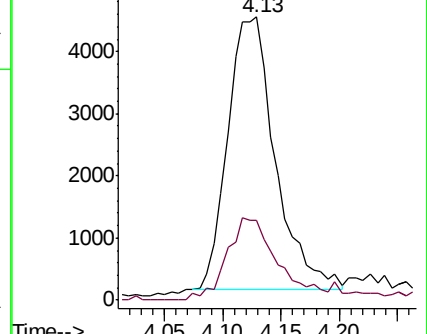
43 100

58 32.2 0.0 54.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 1.749 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW010905.D

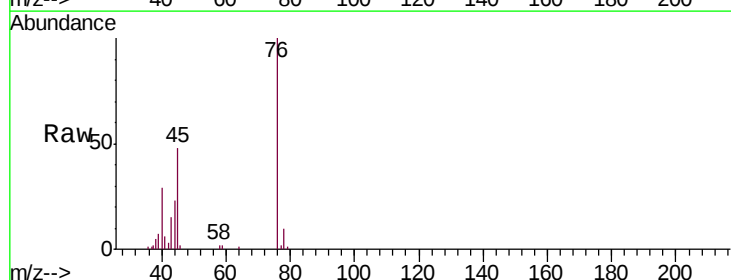
Acq: 21 Jun 2019 21:08

Tgt Ion: 76 Resp: 23027

Ion Ratio Lower Upper

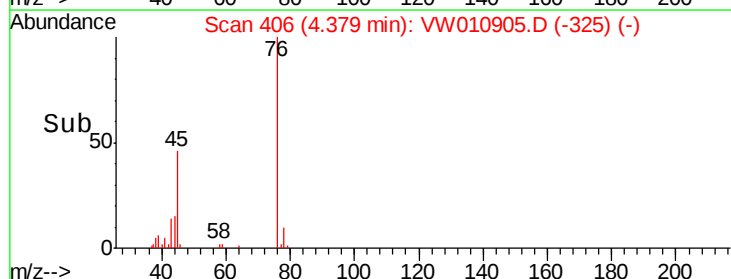
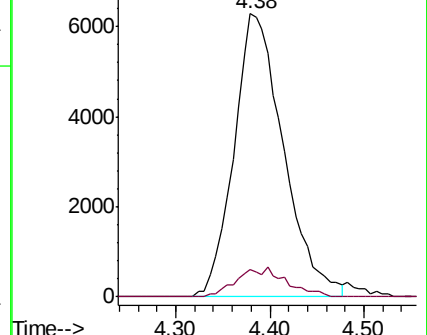
76 100

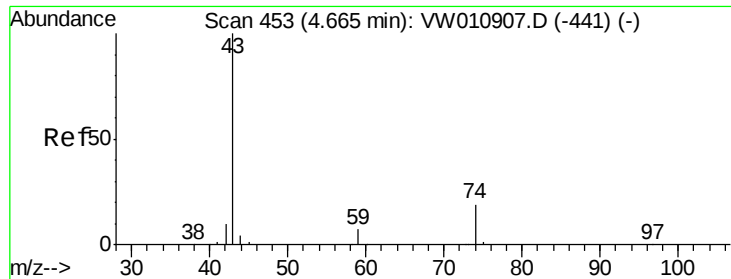
78 9.8 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

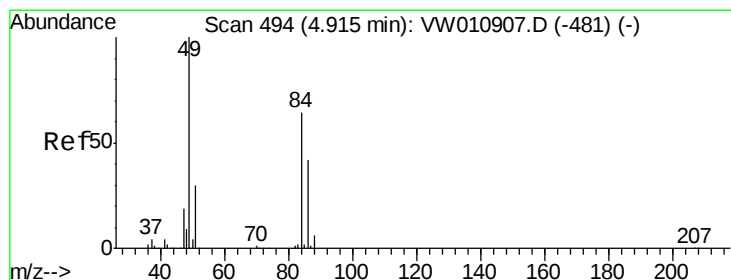
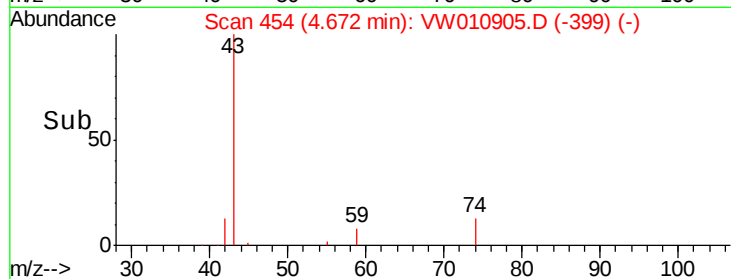
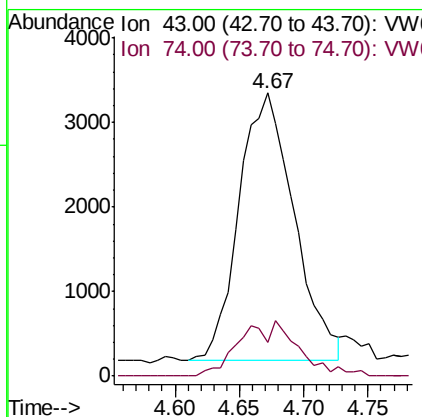
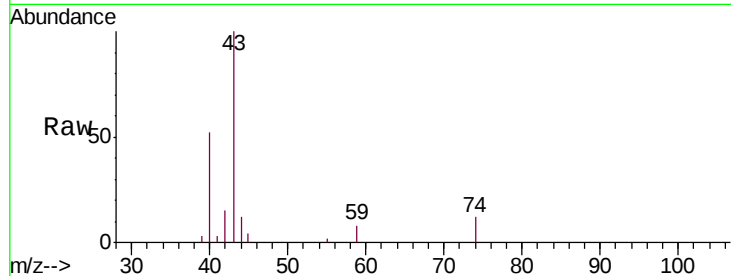




#15
Methyl Acetate
Concen: 2.444 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW010905.D
Acq: 21 Jun 2019 21:08

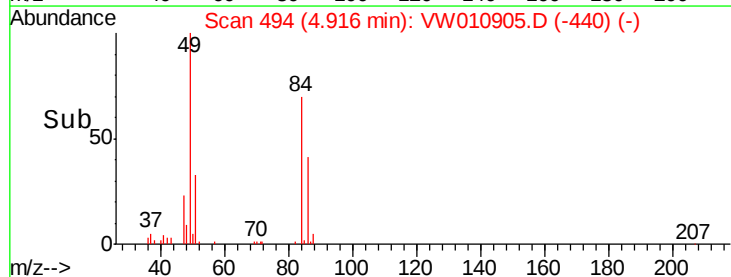
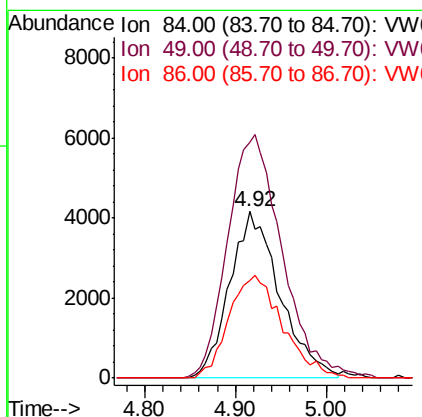
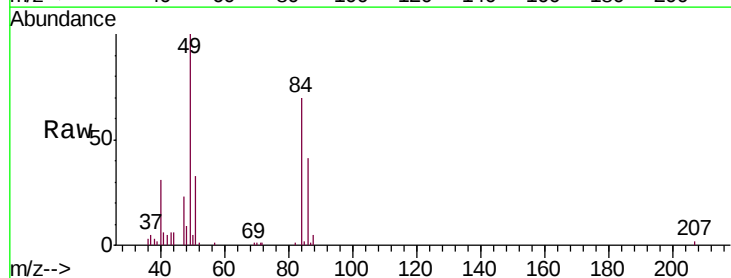
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.501

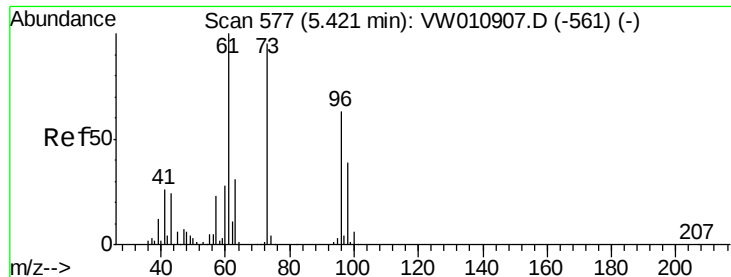
Tgt Ion: 43 Resp: 9363
Ion Ratio Lower Upper
43 100
74 8.7 15.3 22.9#



#16
Methylene chloride
Concen: 3.026 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010905.D
Acq: 21 Jun 2019 21:08

Tgt Ion: 84 Resp: 15994
Ion Ratio Lower Upper
84 100
49 142.3 109.8 203.8
86 58.9 46.5 86.5

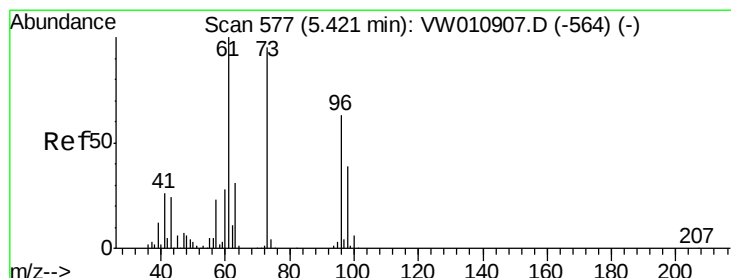
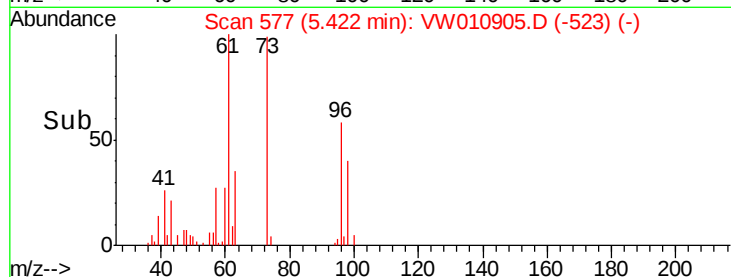
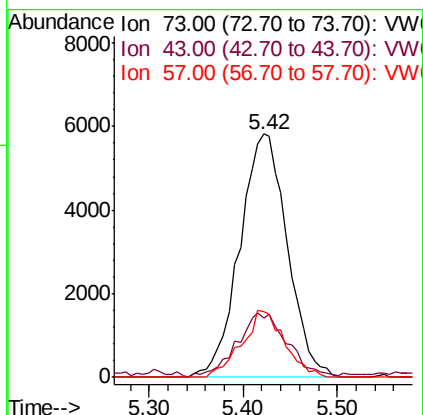
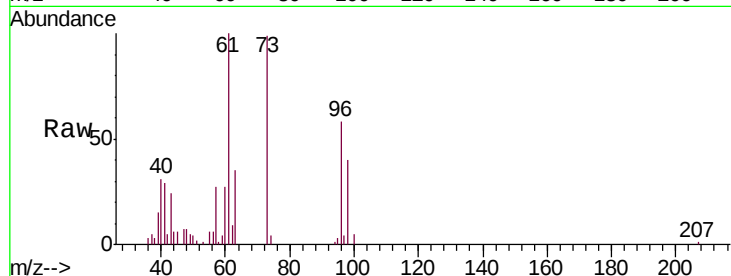




#17
Methyl tert-butyl Ether
Concen: 1.548 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW010905.D
Acq: 21 Jun 2019 21:08

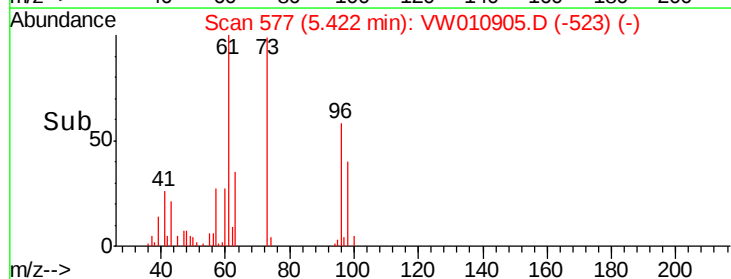
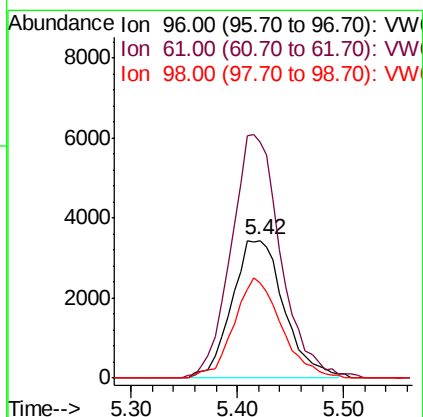
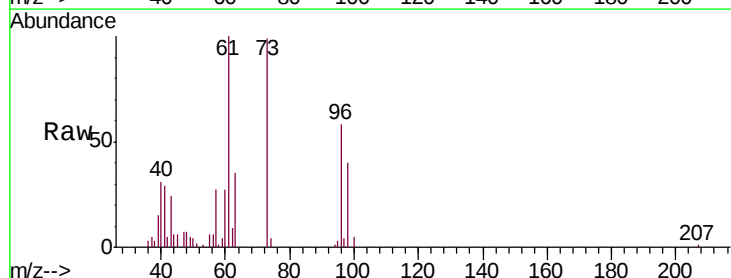
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.501

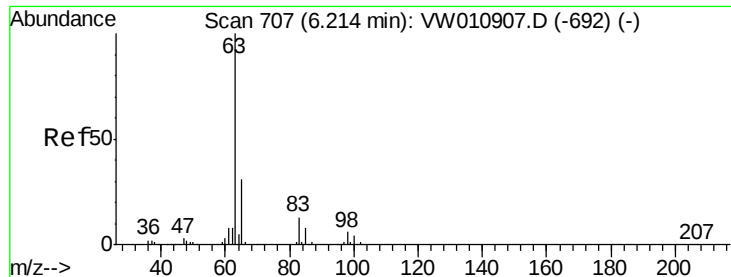
Tgt Ion: 73 Resp: 20501
Ion Ratio Lower Upper
73 100
43 28.2 20.4 30.6
57 24.6 19.5 29.3



#18
trans-1,2-Dichloroethene
Concen: 2.401 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW010905.D
Acq: 21 Jun 2019 21:08

Tgt Ion: 96 Resp: 11834
Ion Ratio Lower Upper
96 100
61 171.2 111.7 207.5
98 68.8 43.5 80.9





#19

1,1-Dichloroethane

Concen: 2.495 ug/L

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW010905.D

Acq: 21 Jun 2019 21:08

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.501

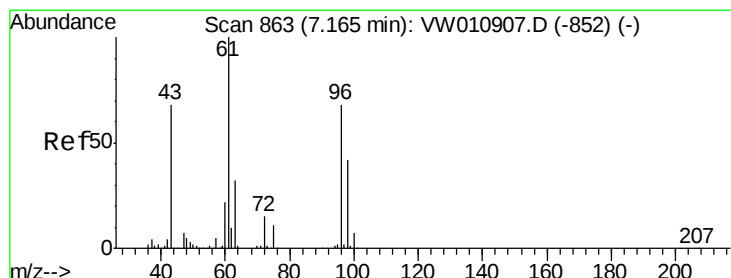
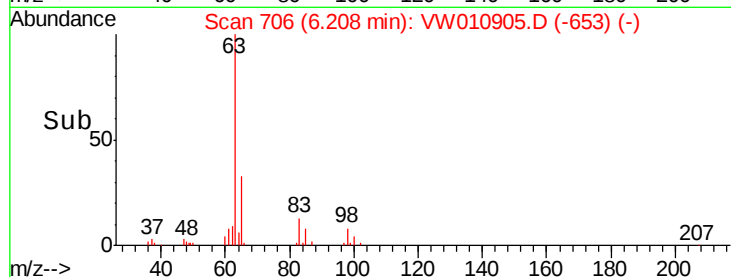
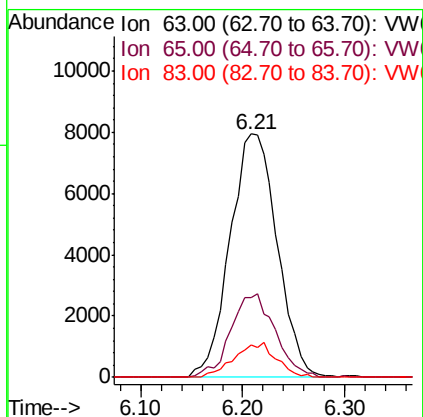
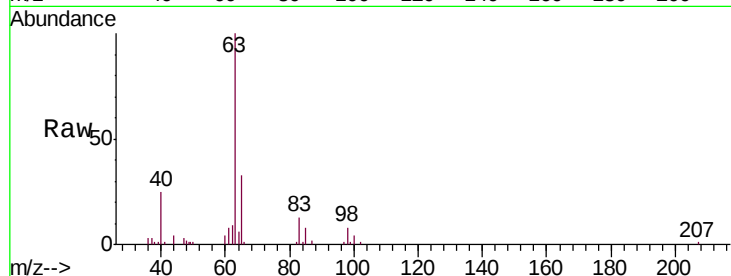
Tgt Ion: 63 Resp: 25477

Ion Ratio Lower Upper

63 100

65 32.7 21.8 40.4

83 13.5 8.8 16.4



#21

2-Butanone

Concen: 5.961 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW010905.D

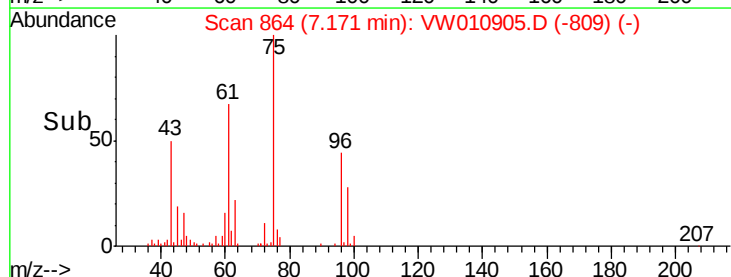
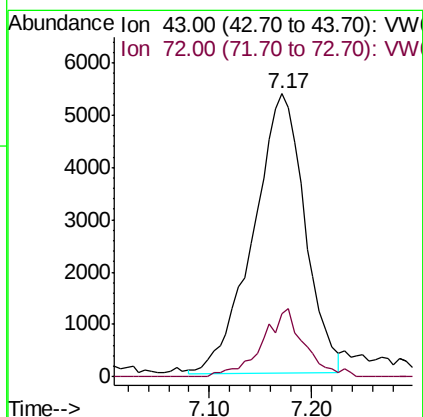
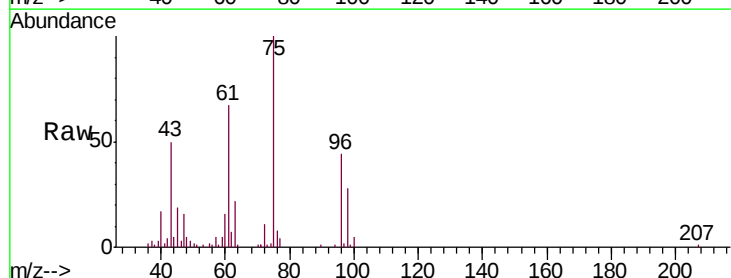
Acq: 21 Jun 2019 21:08

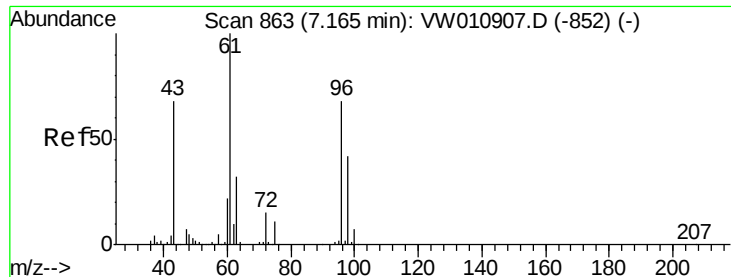
Tgt Ion: 43 Resp: 18791

Ion Ratio Lower Upper

43 100

72 19.5 11.1 33.1



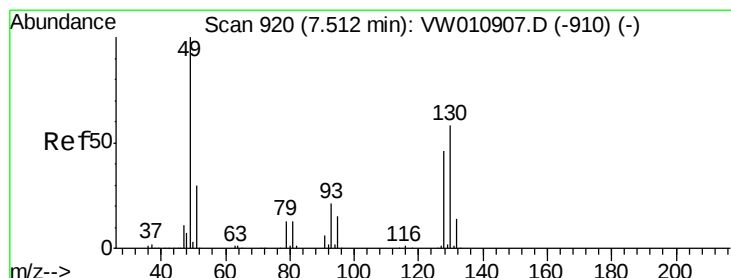
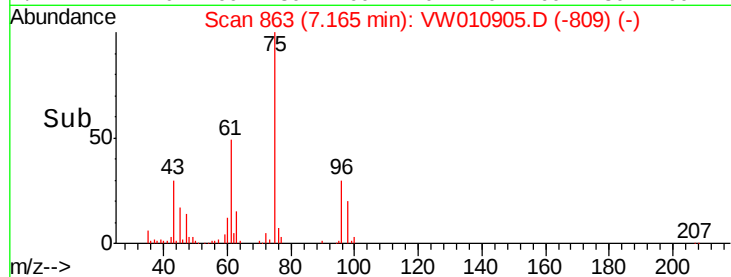
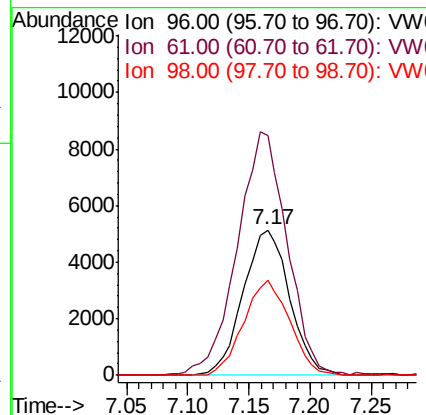
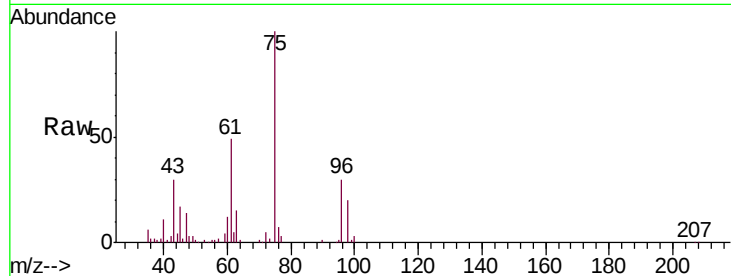


#22

cis-1,2-Dichloroethene
Concen: 2.440 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW010905.D
Acq: 21 Jun 2019 21:08

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.501

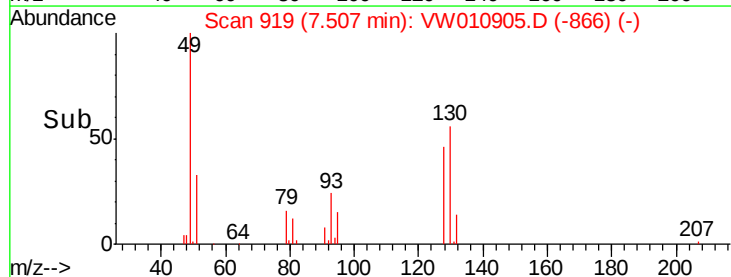
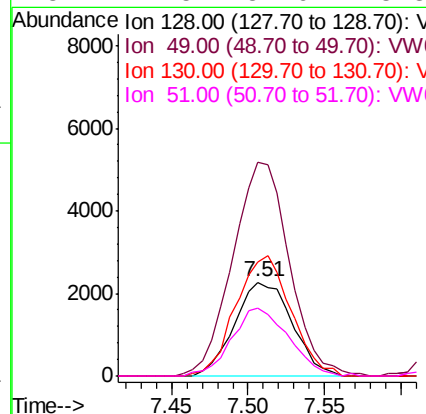
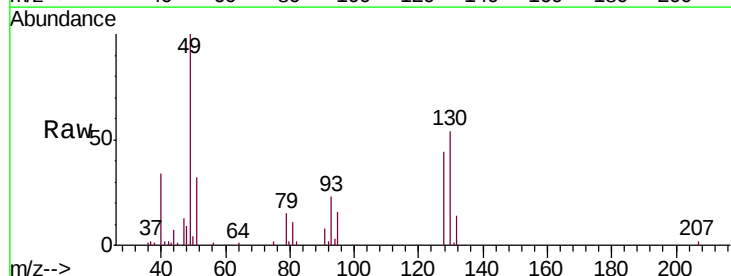
Tgt Ion: 96 Resp: 13592
Ion Ratio Lower Upper
96 100
61 165.1 103.0 191.2
98 65.3 43.5 80.9

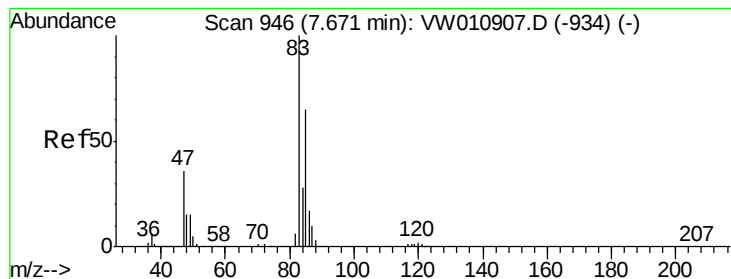


#23

Bromochloromethane
Concen: 2.559 ug/L
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW010905.D
Acq: 21 Jun 2019 21:08

Tgt Ion: 128 Resp: 5935
Ion Ratio Lower Upper
128 100
49 227.0 151.2 280.8
130 121.6 87.8 163.0
51 72.5 52.6 78.8





#25

Chloroform

Concen: 2.116 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW010905.D

Acq: 21 Jun 2019 21:08

Instrument :

MSVOA_W

ClientSampleId :

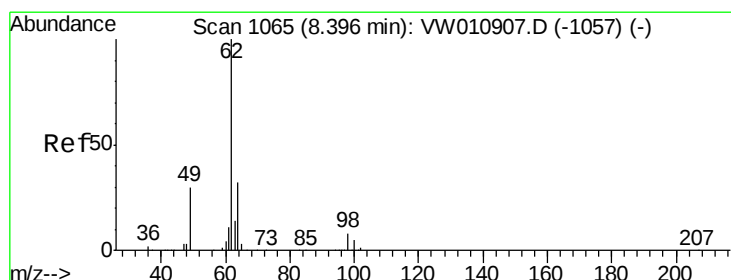
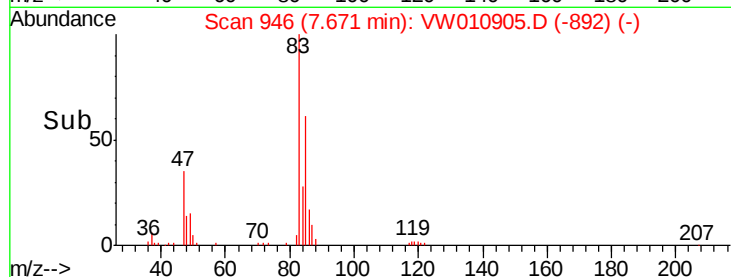
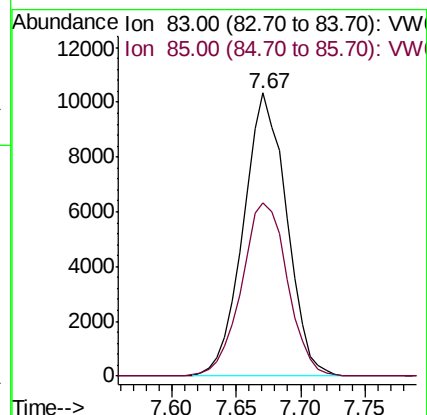
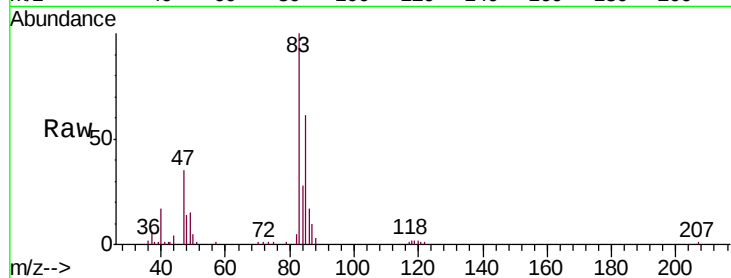
VSTD2.501

Tgt Ion: 83 Resp: 24091

Ion Ratio Lower Upper

83 100

85 65.0 45.7 84.9



#27

1,2-Dichloroethane

Concen: 2.610 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW010905.D

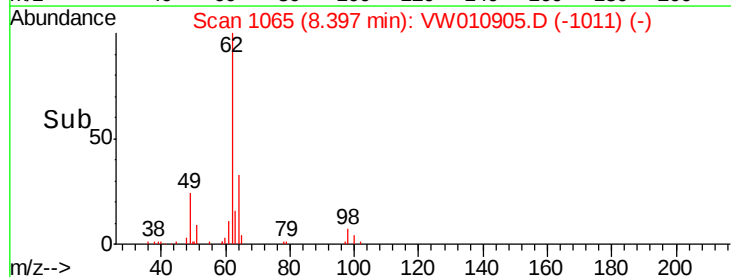
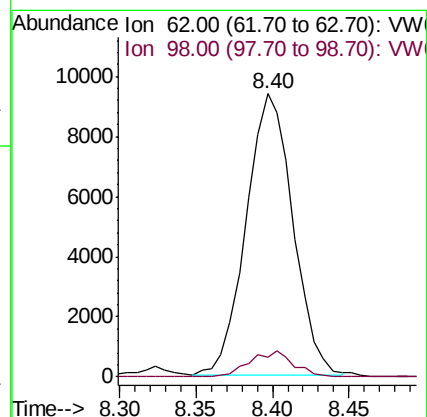
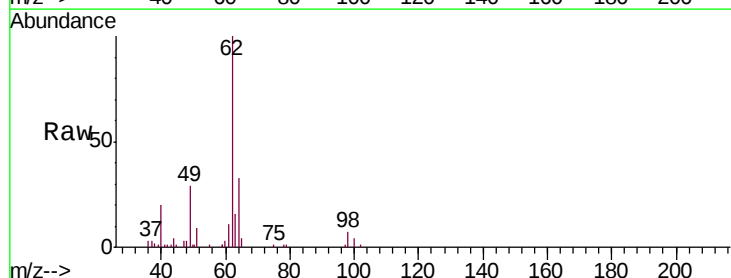
Acq: 21 Jun 2019 21:08

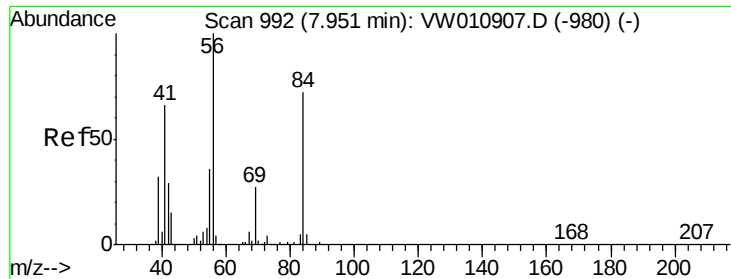
Tgt Ion: 62 Resp: 19817

Ion Ratio Lower Upper

62 100

98 6.9 6.3 9.5

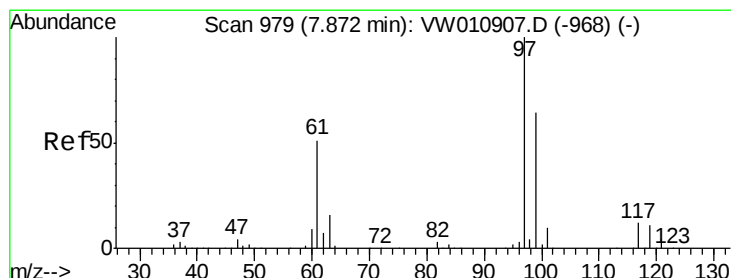
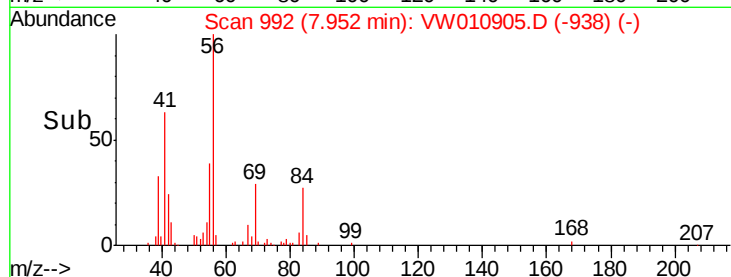
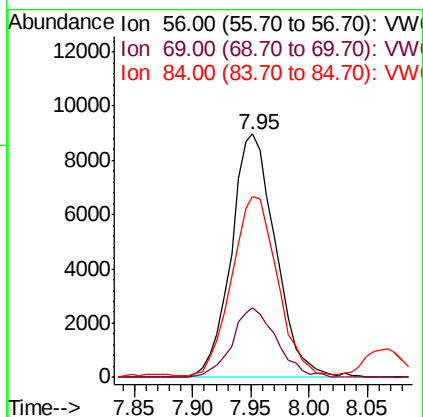
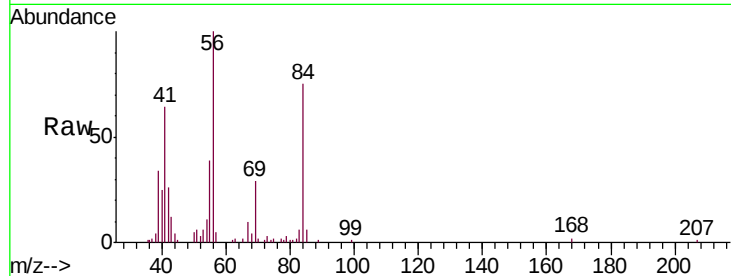




#30
Cyclohexane
Concen: 2.299 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW010905.D
Acq: 21 Jun 2019 21:08

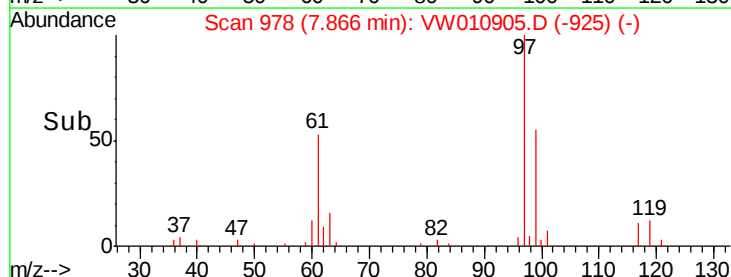
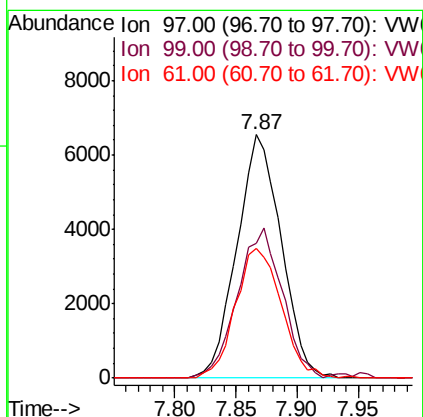
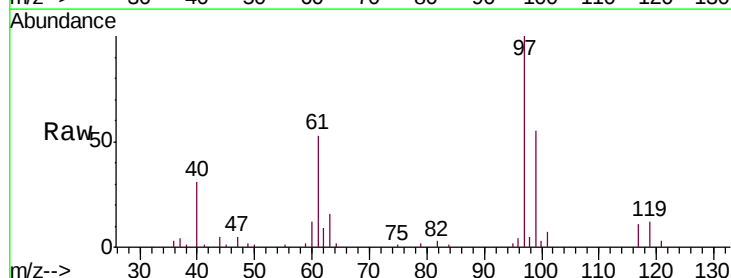
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.501

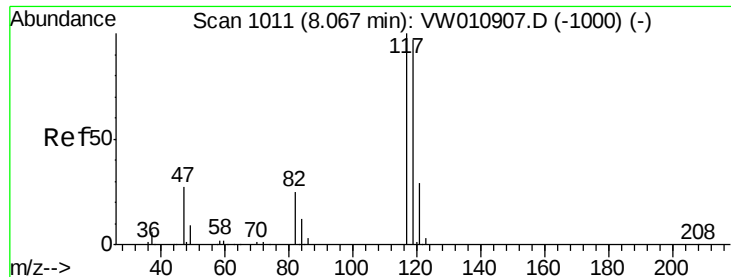
Tgt Ion: 56 Resp: 23728
Ion Ratio Lower Upper
56 100
69 28.2 22.3 33.5
84 77.5 60.3 90.5



#31
1,1,1-Trichloroethane
Concen: 2.079 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW010905.D
Acq: 21 Jun 2019 21:08

Tgt Ion: 97 Resp: 16481
Ion Ratio Lower Upper
97 100
99 62.3 51.0 76.6
61 55.1 41.6 62.4





#32

Carbon tetrachloride

Concen: 2.070 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW010905.D

Acq: 21 Jun 2019 21:08

Instrument :

MSVOA_W

ClientSampleId :

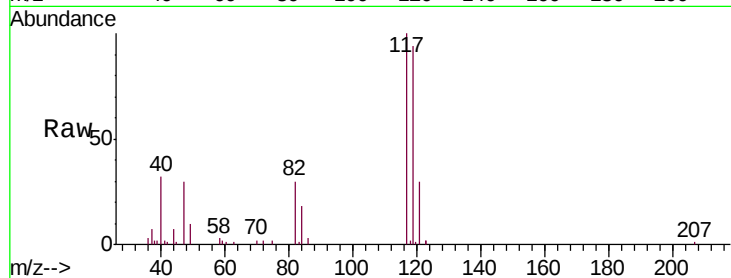
VSTD2.501

Tgt Ion:117 Resp: 13942

Ion Ratio Lower Upper

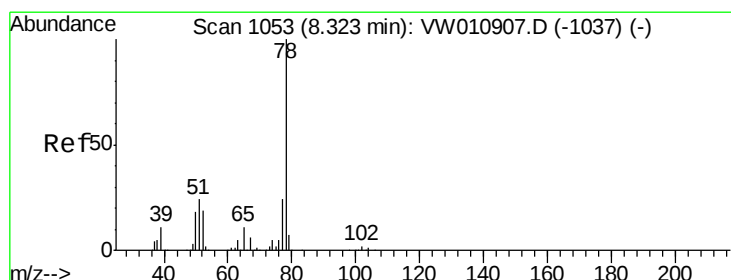
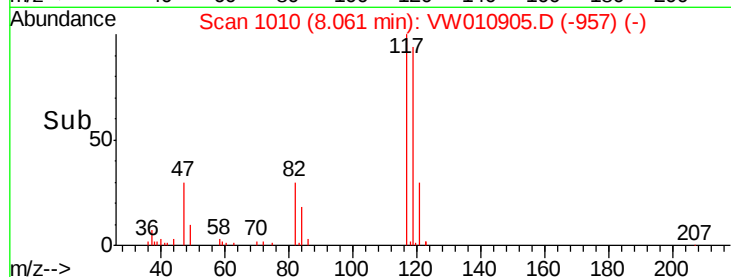
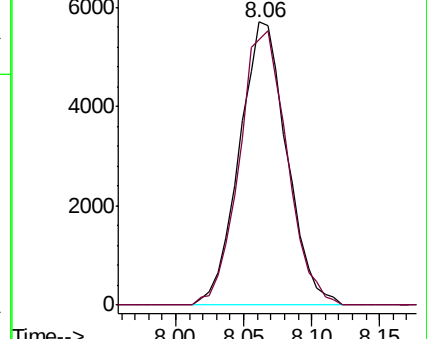
117 100

119 97.4 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: 2.479 ug/L

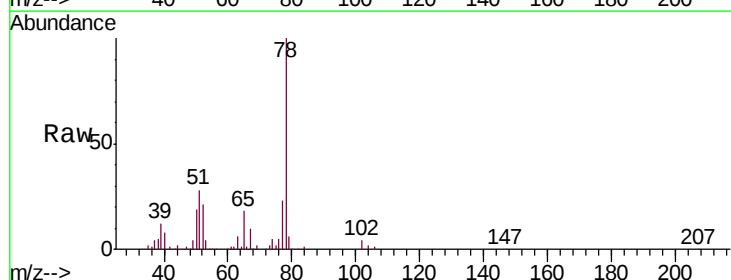
RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

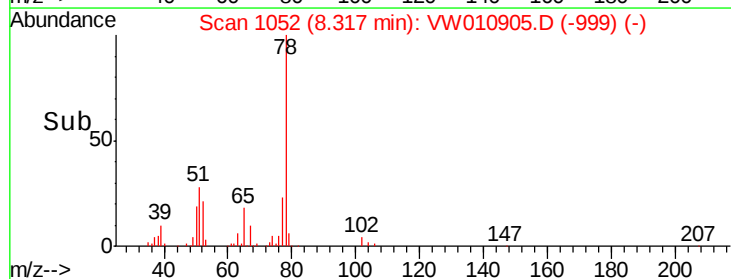
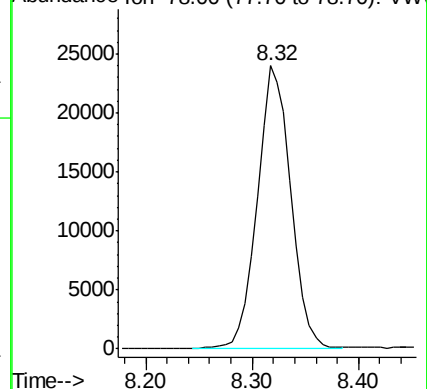
Lab File: VW010905.D

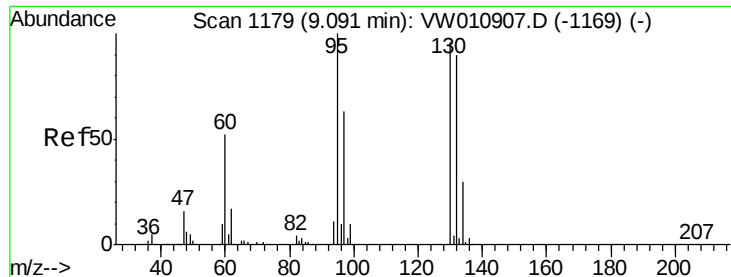
Acq: 21 Jun 2019 21:08

Tgt Ion: 78 Resp: 52995



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 2.443 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW010905.D

Acq: 21 Jun 2019 21:08

Instrument :

MSVOA_W

ClientSampled :

VSTD2.501

Tgt Ion: 95 Resp: 13334

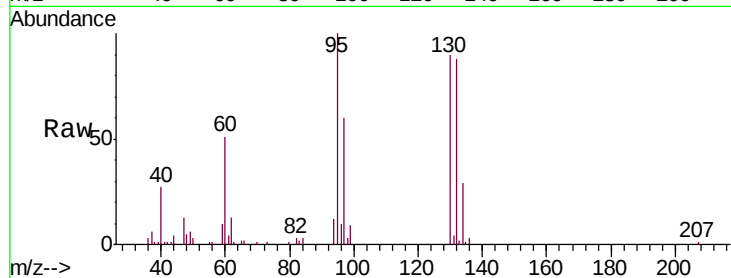
Ion Ratio Lower Upper

95 100

97 64.3 44.5 82.7

132 93.5 63.6 118.2

130 97.2 66.8 124.0

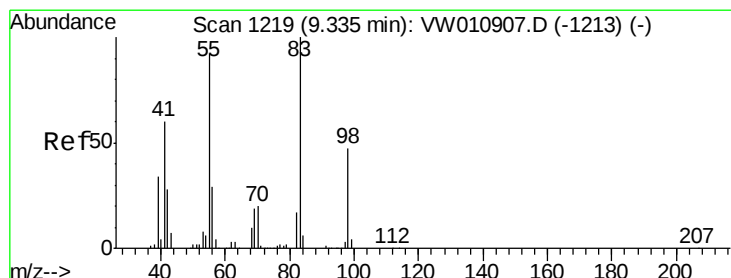
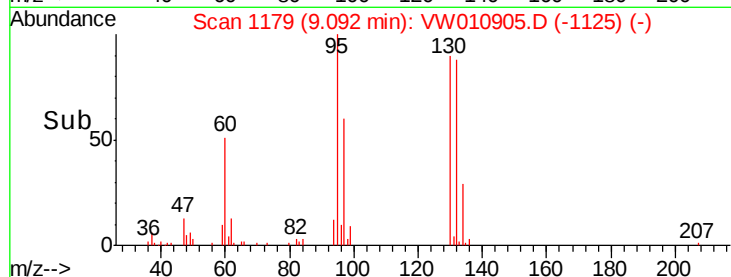
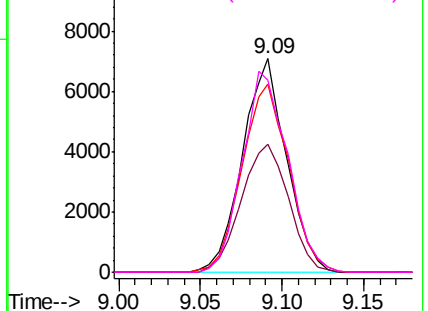


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 2.365 ug/L

RT: 9.33 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VW010905.D

Acq: 21 Jun 2019 21:08

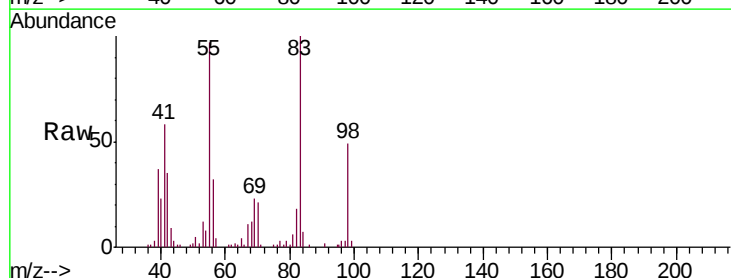
Tgt Ion: 83 Resp: 22914

Ion Ratio Lower Upper

83 100

55 93.8 72.6 109.0

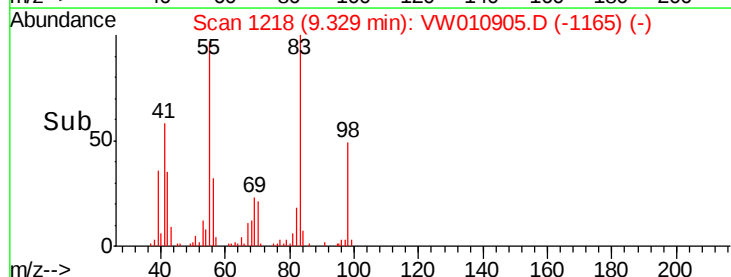
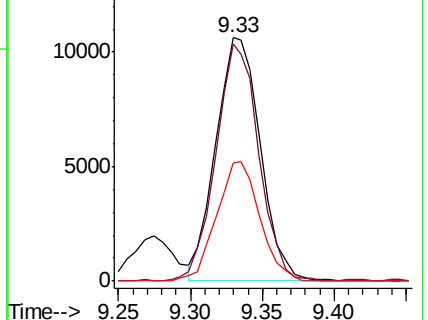
98 47.6 37.9 56.9

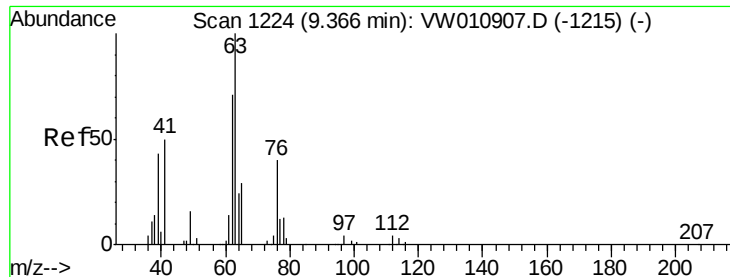


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

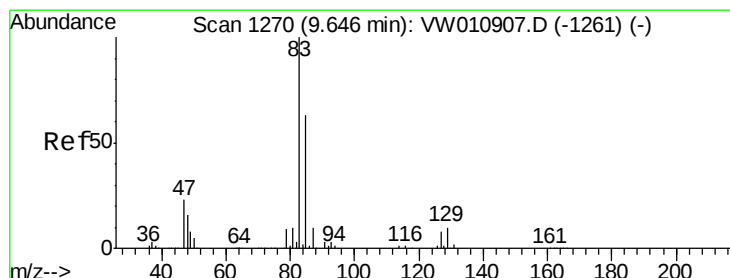
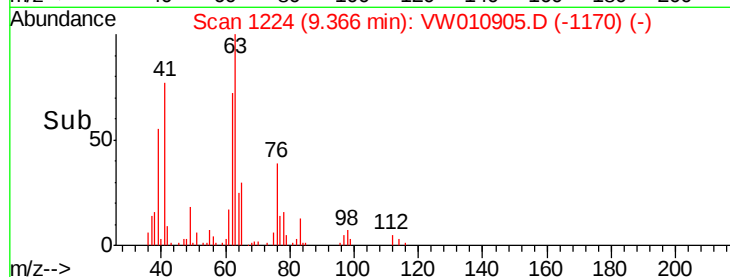
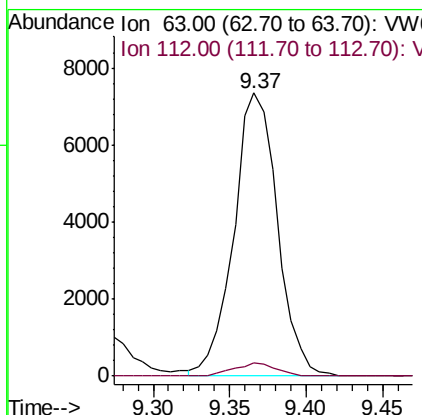
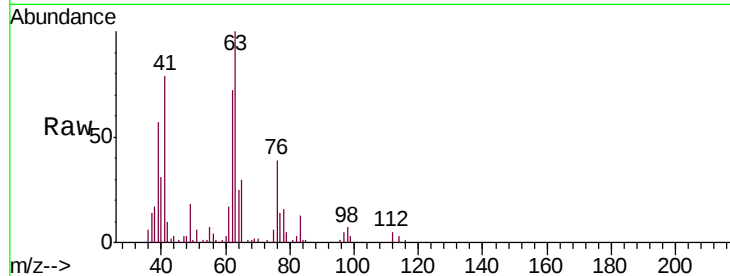




#40
 1,2-Dichloropropane
 Concen: 2.446 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW010905.D
 Acq: 21 Jun 2019 21:08

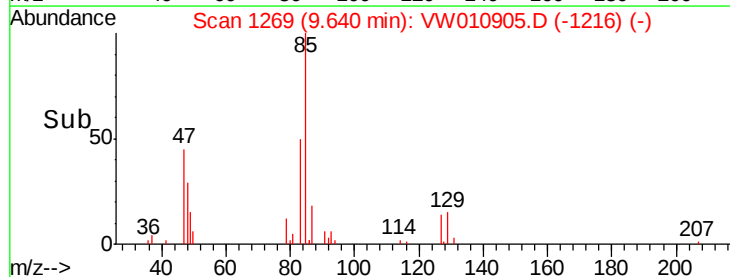
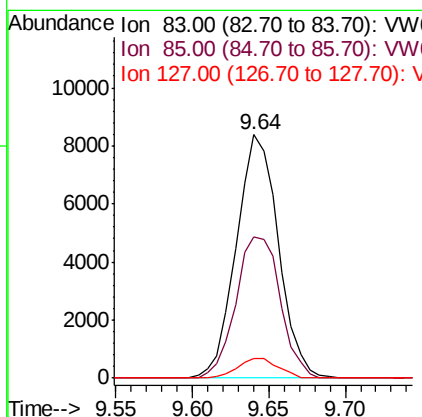
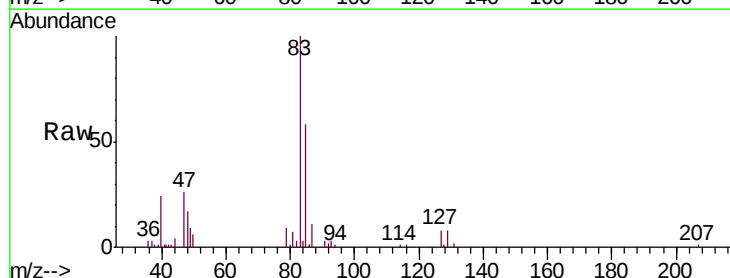
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.501

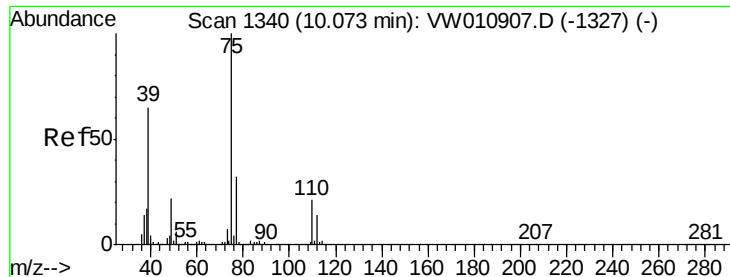
Tgt Ion: 63 Resp: 14563
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.2 4.8



#41
 Bromodichloromethane
 Concen: 2.302 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VW010905.D
 Acq: 21 Jun 2019 21:08

Tgt Ion: 83 Resp: 16047
 Ion Ratio Lower Upper
 83 100
 85 57.9 43.8 81.4
 127 8.2 6.2 9.4





#42

cis-1,3-Dichloropropene

Concen: 2.128 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010905.D

Acq: 21 Jun 2019 21:08

Instrument :

MSVOA_W

ClientSampleId :

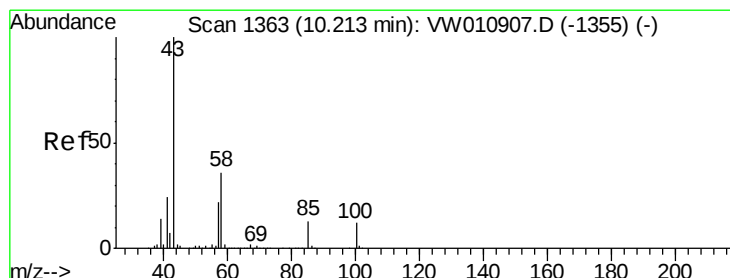
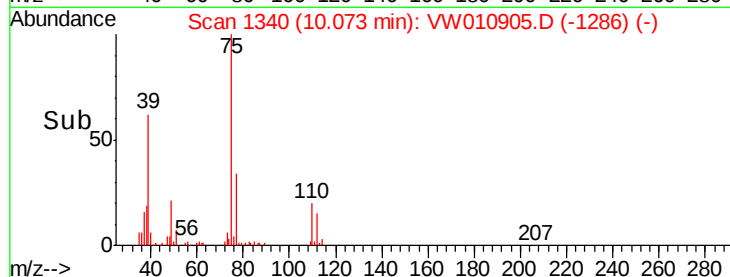
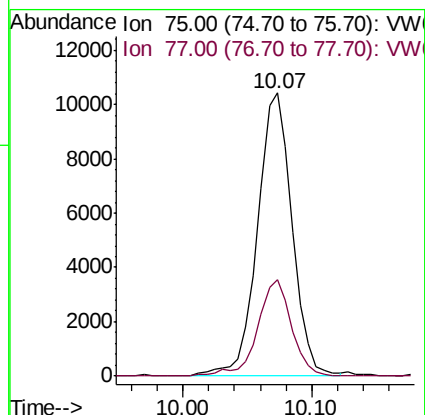
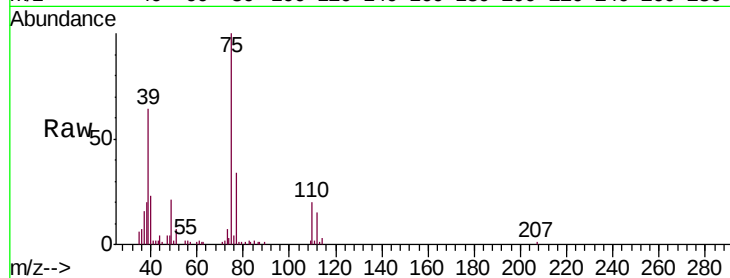
VSTD2.501

Tgt Ion: 75 Resp: 19358

Ion Ratio Lower Upper

75 100

77 33.9 22.3 41.5



#43

4-Methyl-2-pentanone

Concen: 5.582 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW010905.D

Acq: 21 Jun 2019 21:08

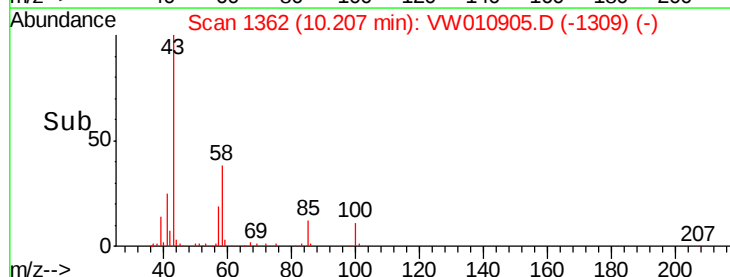
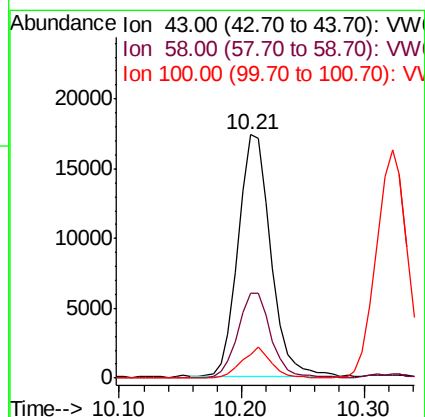
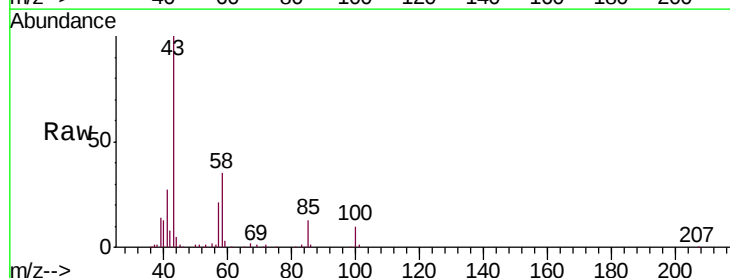
Tgt Ion: 43 Resp: 32219

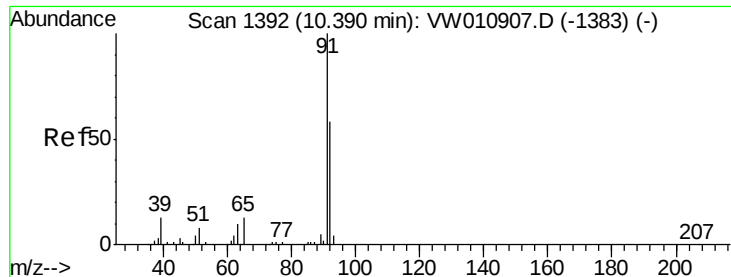
Ion Ratio Lower Upper

43 100

58 35.6 27.9 41.9

100 11.3 9.4 14.2





#44

Toluene

Concen: 2.412 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW010905.D

Acq: 21 Jun 2019 21:08

Instrument :

MSVOA_W

ClientSampleId :

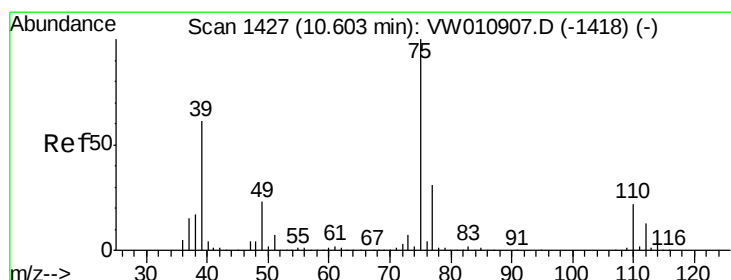
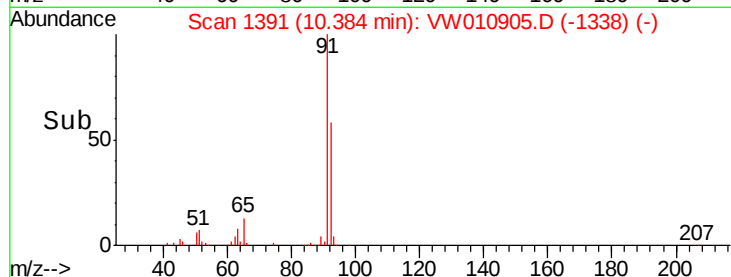
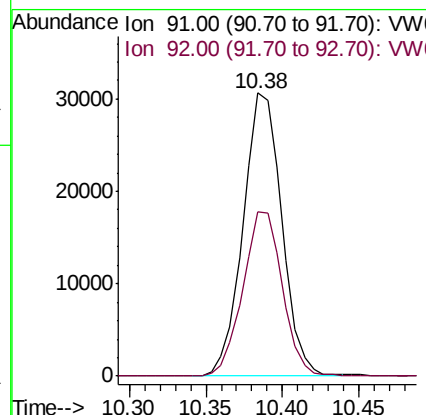
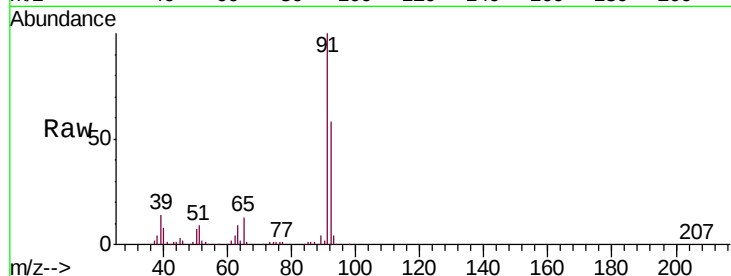
VSTD2.501

Tgt Ion: 91 Resp: 54020

Ion Ratio Lower Upper

91 100

92 58.0 40.5 75.3



#45

trans-1,3-Dichloropropene

Concen: 2.088 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010905.D

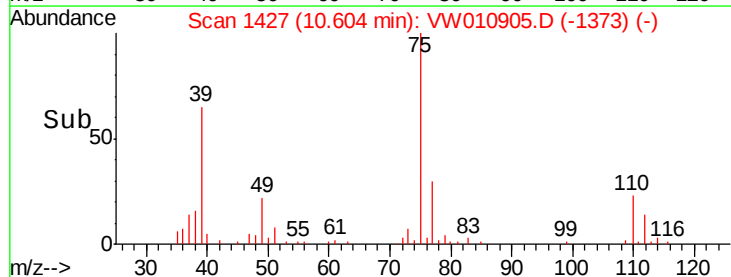
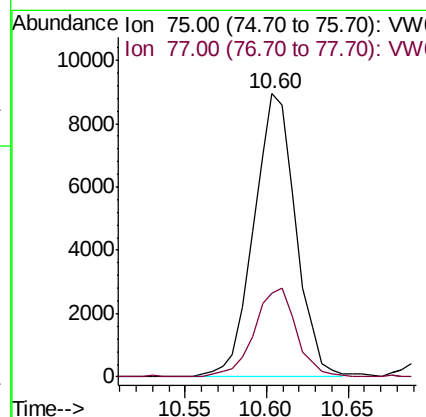
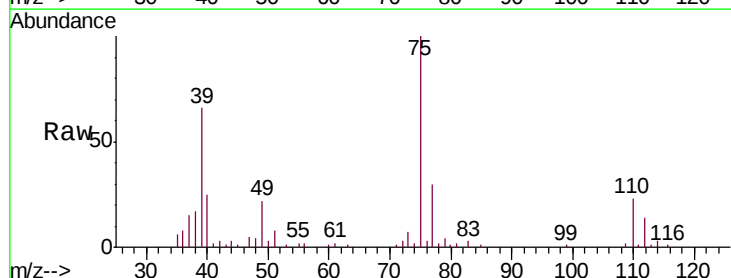
Acq: 21 Jun 2019 21:08

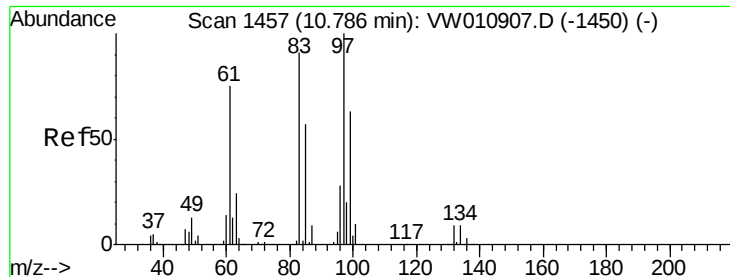
Tgt Ion: 75 Resp: 15939

Ion Ratio Lower Upper

75 100

77 29.5 21.5 39.9





#46

1,1,2-Trichloroethane

Concen: 2.585 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW010905.D

Acq: 21 Jun 2019 21:08

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.501

Tgt Ion: 97 Resp: 10951

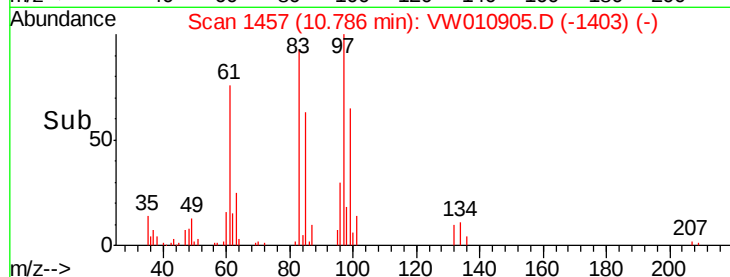
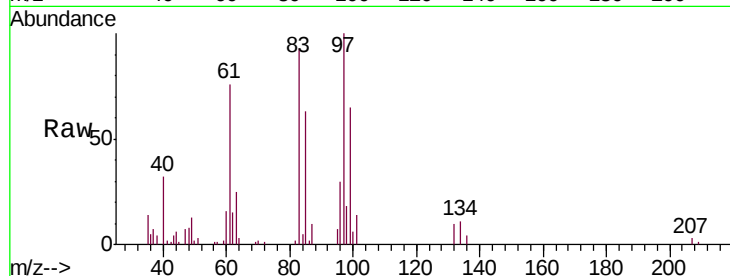
Ion Ratio Lower Upper

97 100

83 93.5 63.5 117.9

85 63.2 39.9 74.1

99 65.2 44.4 82.4



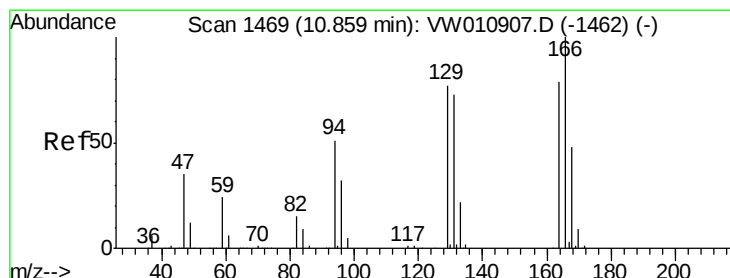
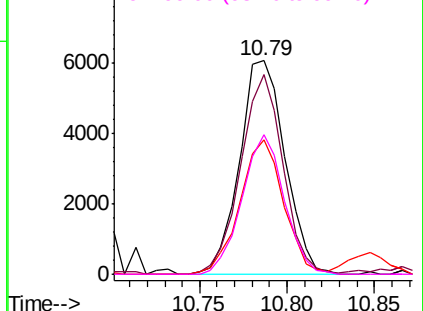
Abundance

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: 2.490 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW010905.D

Acq: 21 Jun 2019 21:08

Tgt Ion: 164 Resp: 10139

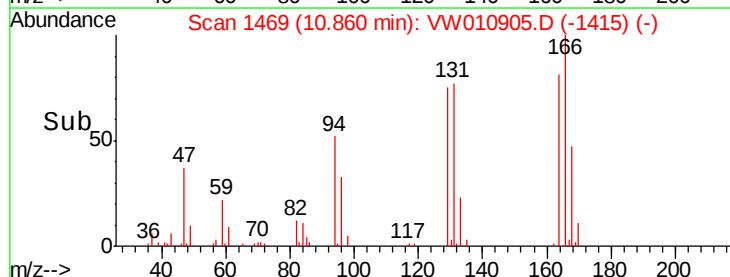
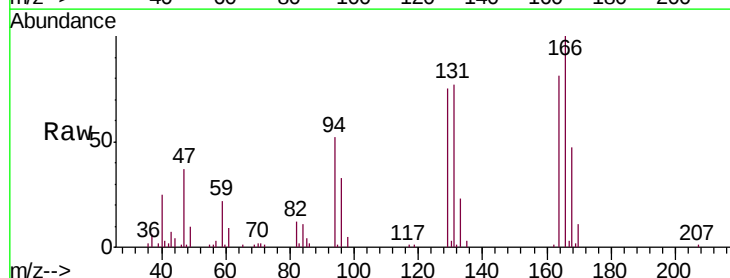
Ion Ratio Lower Upper

164 100

129 92.6 68.5 127.3

131 94.9 65.3 121.3

166 124.0 88.9 165.1



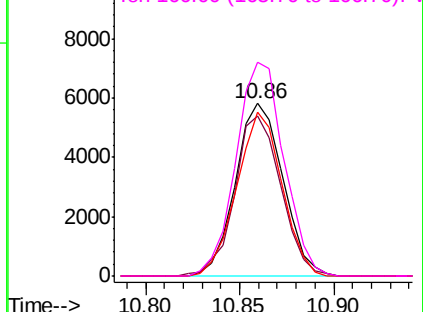
Abundance

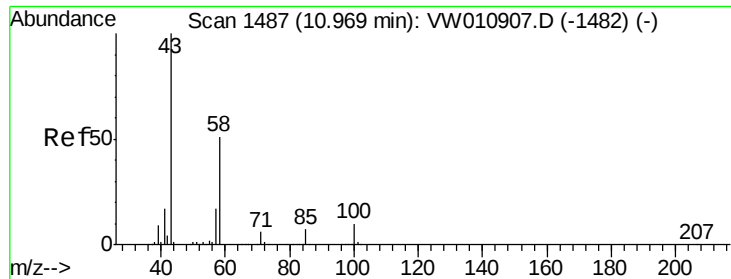
Ion 164.00 (163.70 to 164.70): V

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

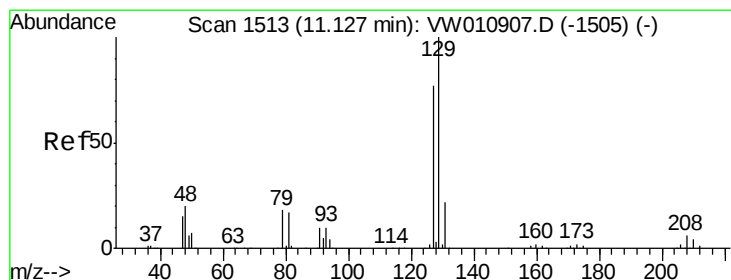
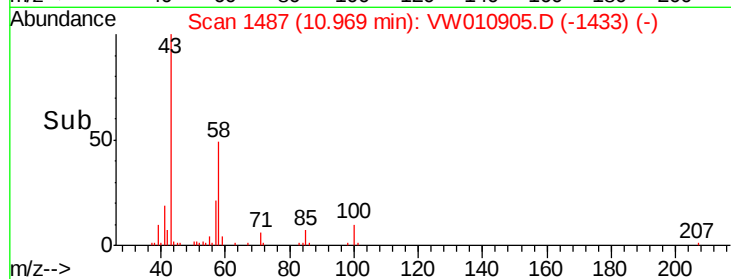
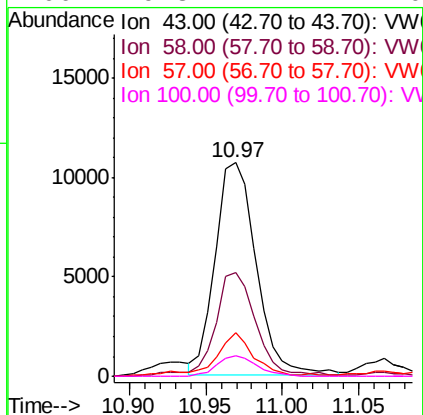
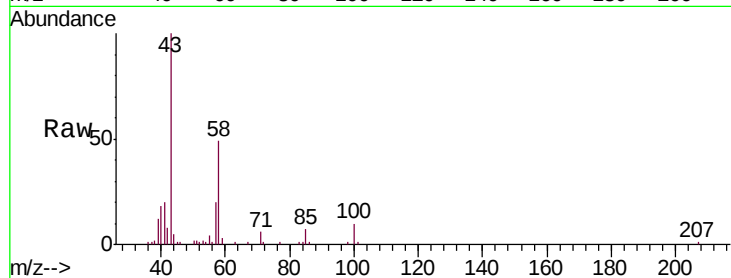




#49
2-Hexanone
Concen: 4.742 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010905.D
Acq: 21 Jun 2019 21:08

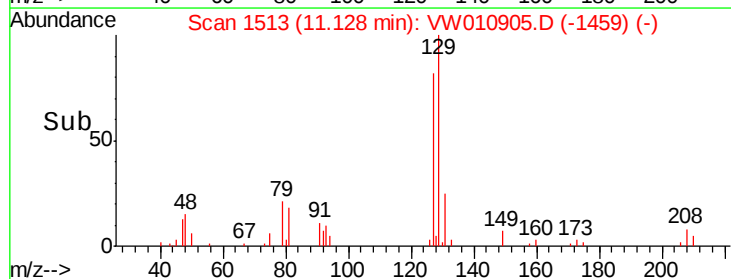
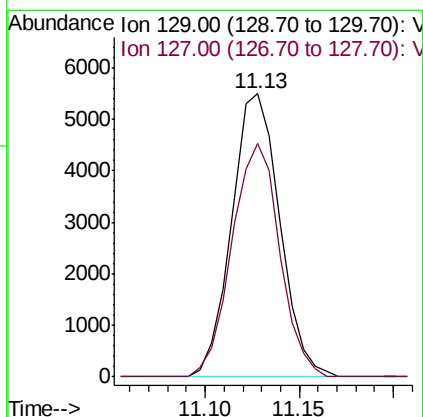
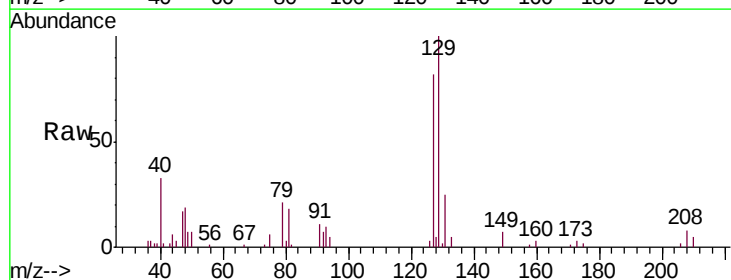
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.501

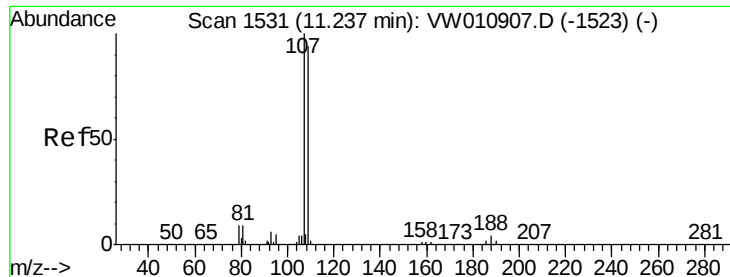
Tgt Ion:	43	Resp:	19887
Ion	Ratio	Lower	Upper
43	100		
58	47.3	38.2	57.2
57	17.4	13.5	20.3
100	9.3	7.4	11.0



#50
Dibromochloromethane
Concen: 2.083 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010905.D
Acq: 21 Jun 2019 21:08

Tgt Ion:	129	Resp:	9716
Ion	Ratio	Lower	Upper
129	100		
127	82.5	53.5	99.5

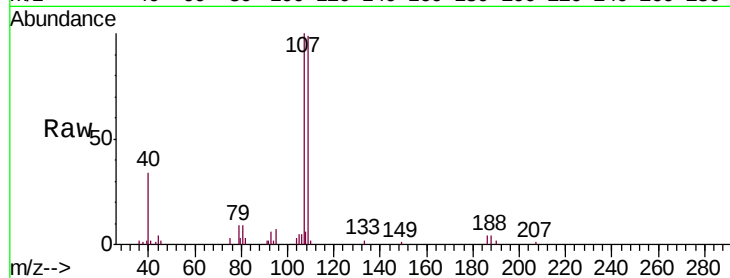




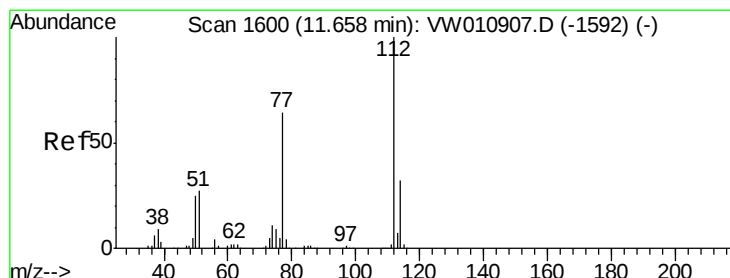
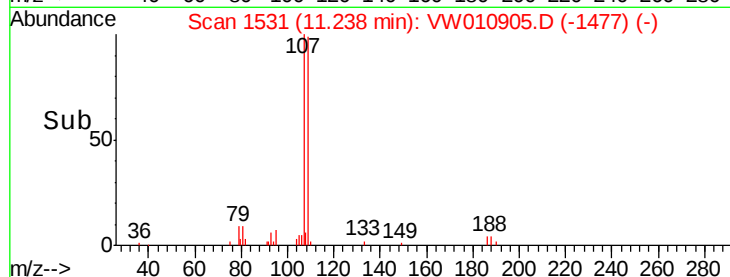
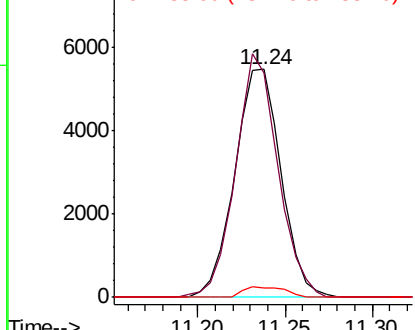
#51
1,2-Dibromoethane
Concen: 2.468 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW010905.D
Acq: 21 Jun 2019 21:08

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.501

Tgt Ion:107 Resp: 10107
Ion Ratio Lower Upper
107 100
109 98.7 65.7 121.9
188 4.2 3.0 4.4

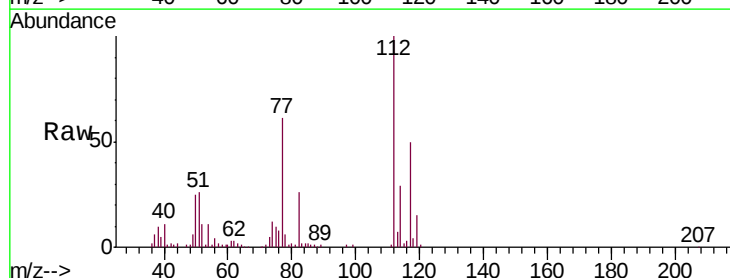


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

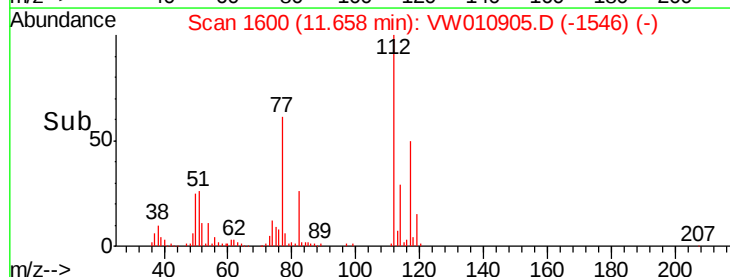
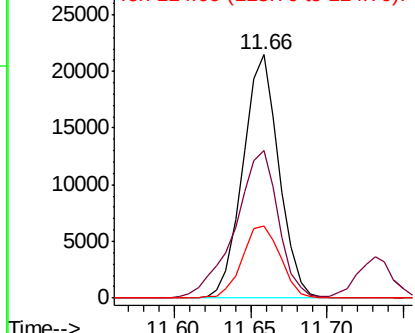


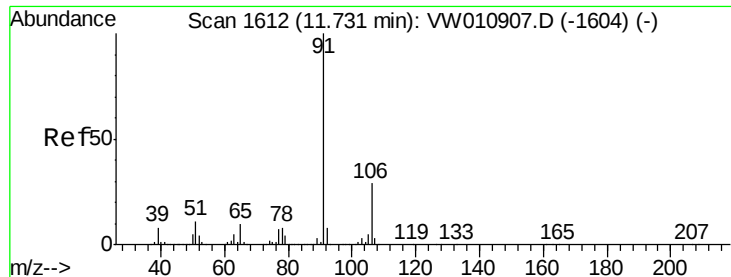
#52
Chlorobenzene
Concen: 2.534 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW010905.D
Acq: 21 Jun 2019 21:08

Tgt Ion:112 Resp: 35149
Ion Ratio Lower Upper
112 100
77 60.6 51.4 77.0
114 29.4 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

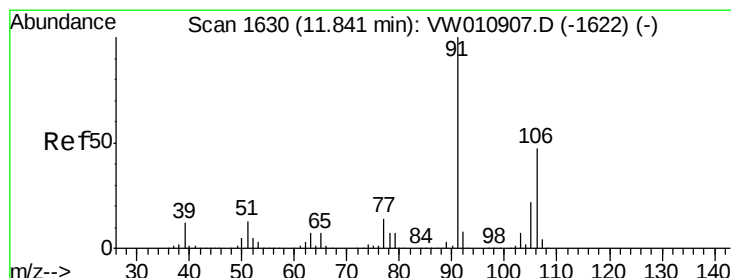
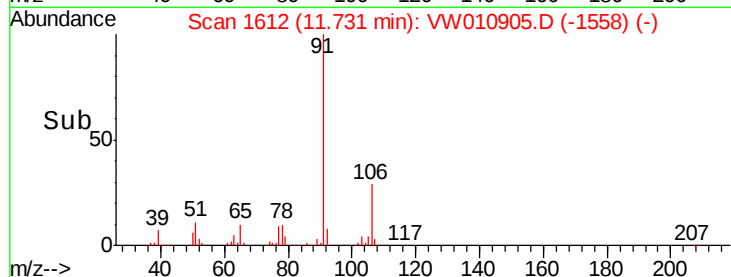
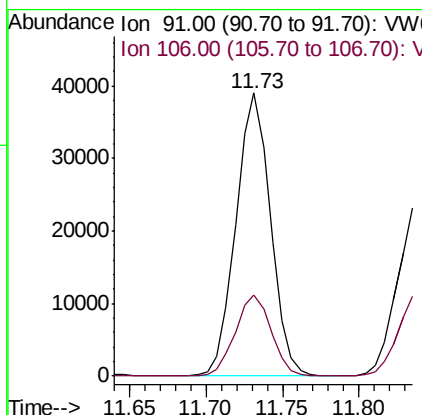
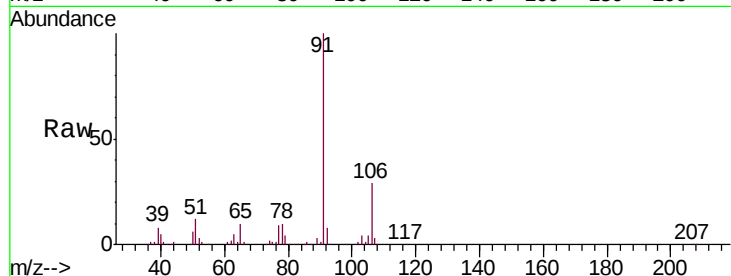




#53
Ethylbenzene
Concen: 2.409 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010905.D
Acq: 21 Jun 2019 21:08

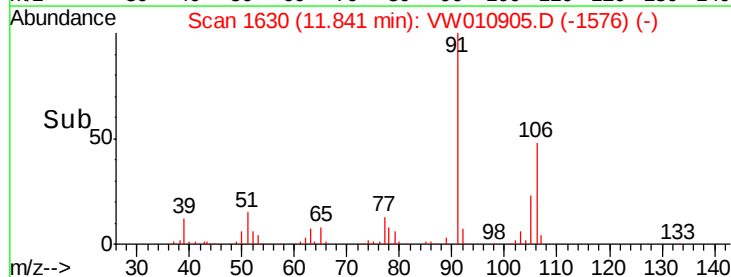
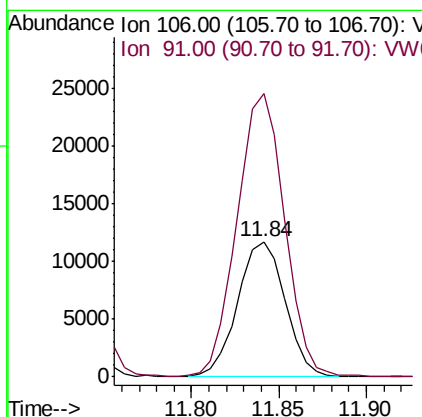
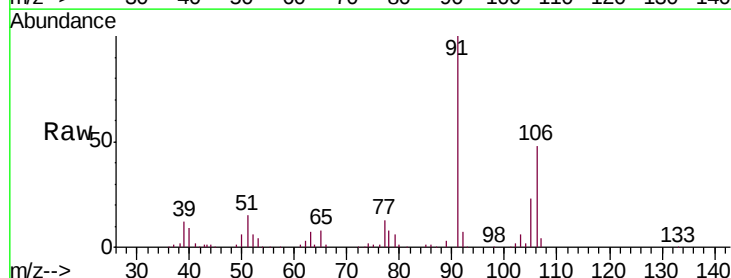
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.501

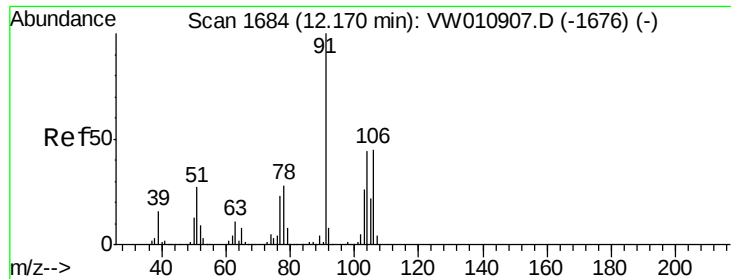
Tgt Ion: 91 Resp: 61363
Ion Ratio Lower Upper
91 100
106 28.8 20.6 38.2



#54
m,p-Xylene
Concen: 2.403 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010905.D
Acq: 21 Jun 2019 21:08

Tgt Ion: 106 Resp: 22151
Ion Ratio Lower Upper
106 100
91 209.6 148.3 275.3

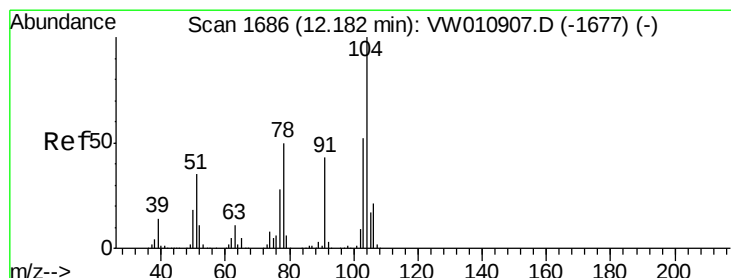
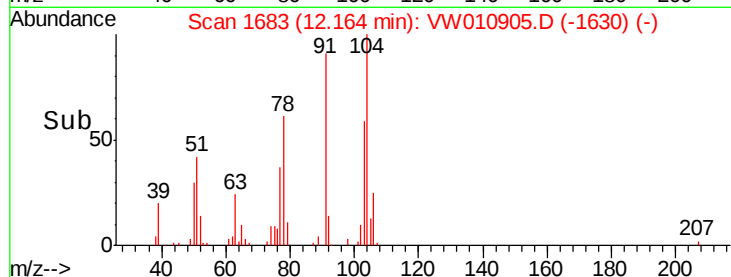
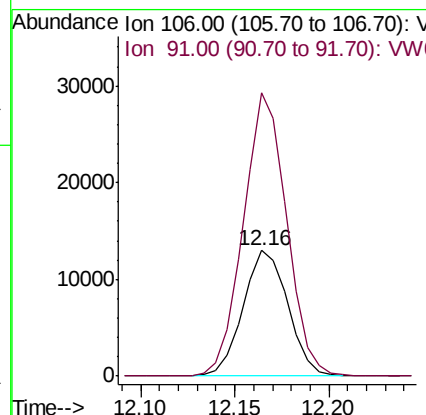
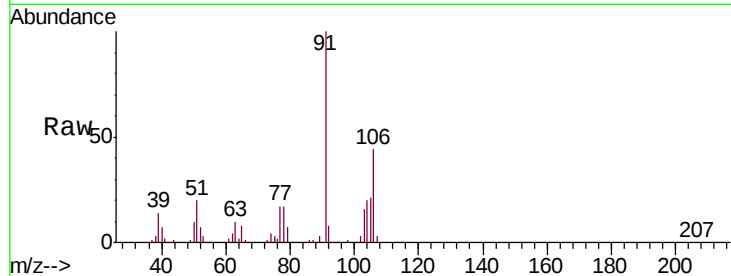




#55
o-xylene
Concen: 2.390 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010905.D
Acq: 21 Jun 2019 21:08

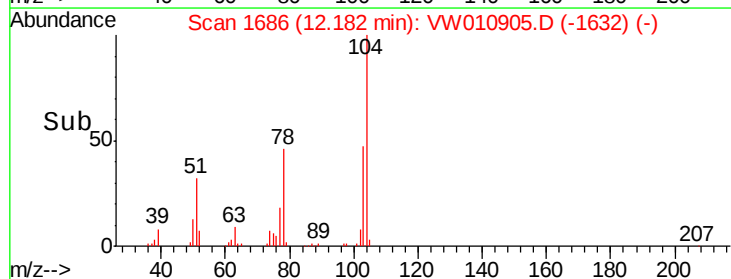
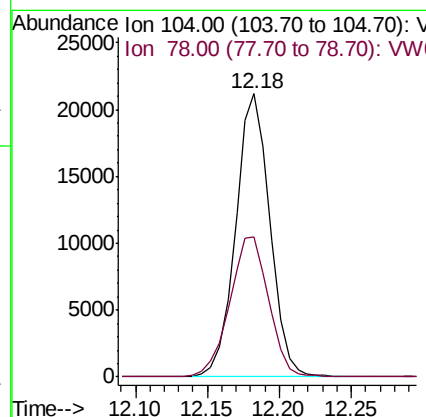
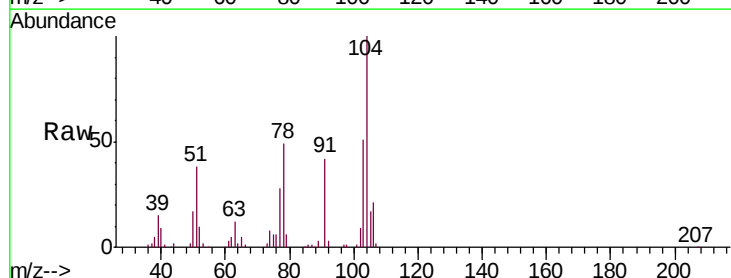
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.501

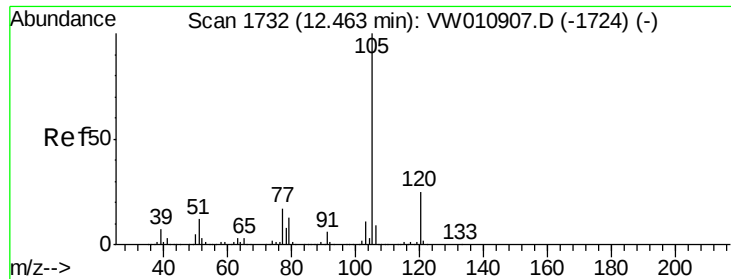
Tgt Ion:106 Resp: 21360
Ion Ratio Lower Upper
106 100
91 224.8 157.1 291.7



#56
Styrene
Concen: 2.253 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010905.D
Acq: 21 Jun 2019 21:08

Tgt Ion:104 Resp: 35037
Ion Ratio Lower Upper
104 100
78 49.3 34.8 64.6





#57

Isopropylbenzene

Concen: 2.332 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW010905.D

Acq: 21 Jun 2019 21:08

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.501

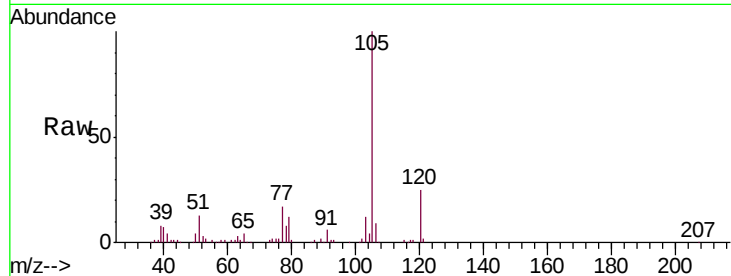
Tgt Ion: 105 Resp: 56653

Ion Ratio Lower Upper

105 100

120 24.9 20.3 30.5

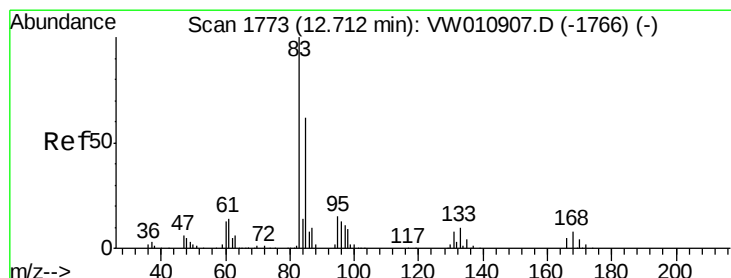
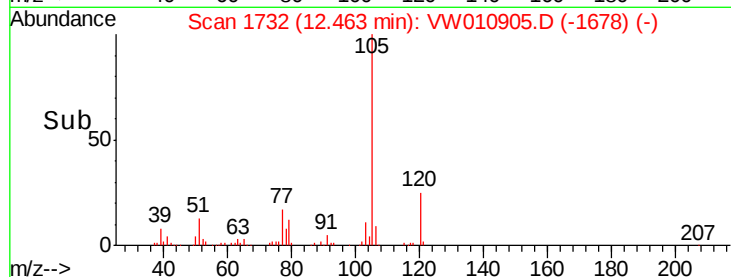
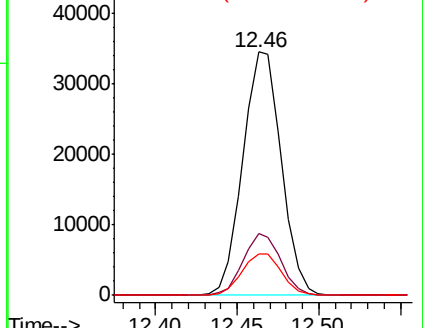
77 17.6 13.6 20.4



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: 2.475 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010905.D

Acq: 21 Jun 2019 21:08

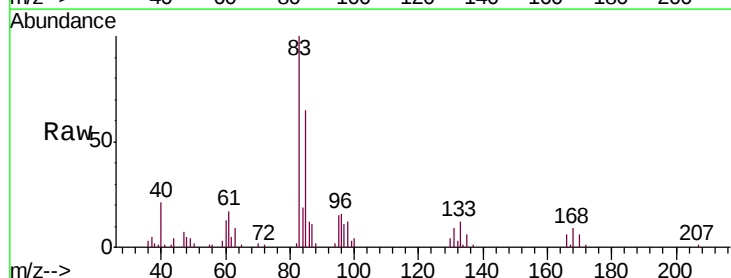
Tgt Ion: 83 Resp: 14042

Ion Ratio Lower Upper

83 100

85 64.9 43.8 81.3

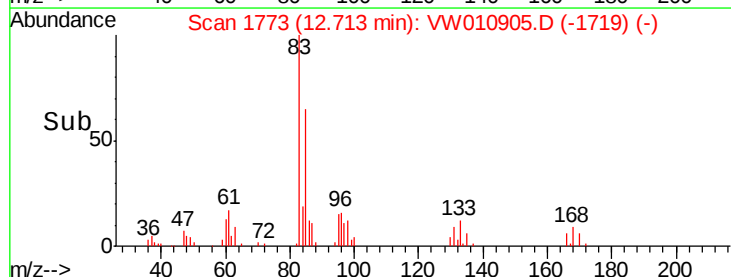
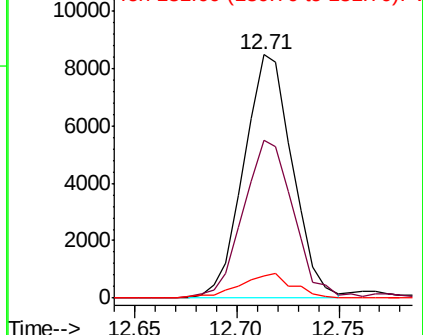
131 9.4 6.9 10.3

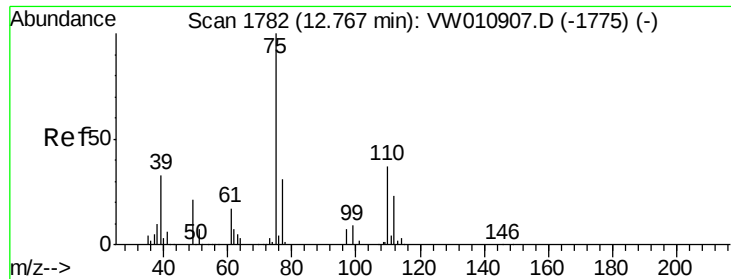


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 2.525 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW010905.D

Acq: 21 Jun 2019 21:08

Instrument :

MSVOA_W

ClientSampleId :

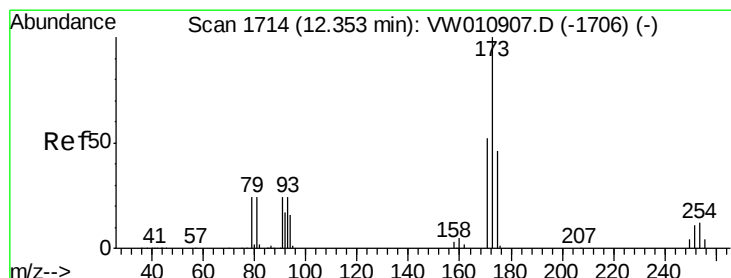
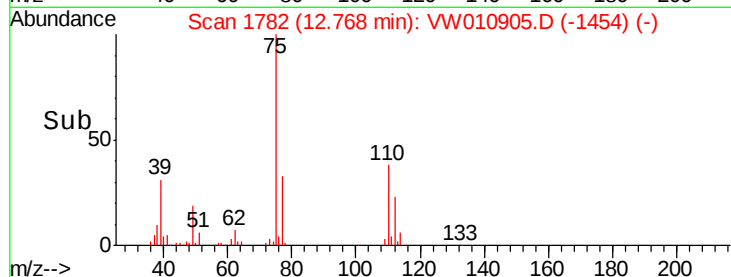
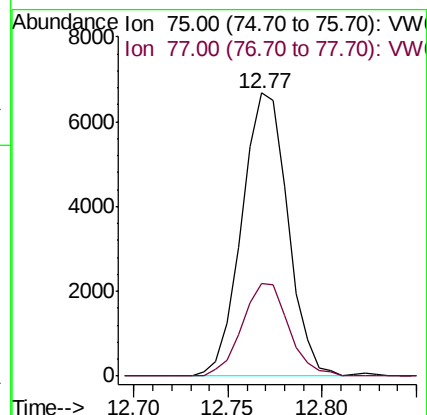
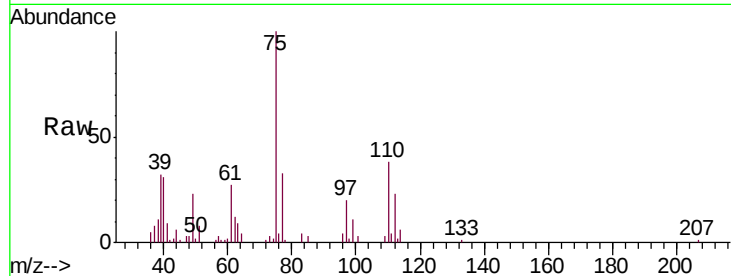
VSTD2.501

Tgt Ion: 75 Resp: 11316

Ion Ratio Lower Upper

75 100

77 33.1 25.4 38.2



#62

Bromoform

Concen: 2.035 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW010905.D

Acq: 21 Jun 2019 21:08

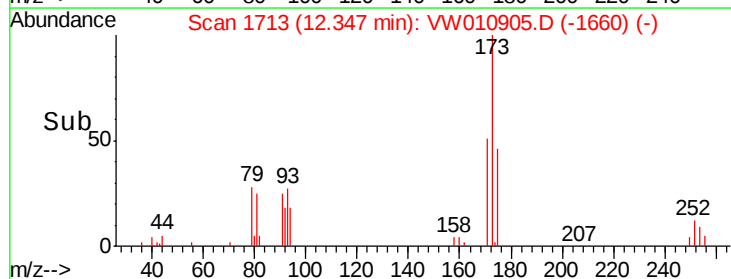
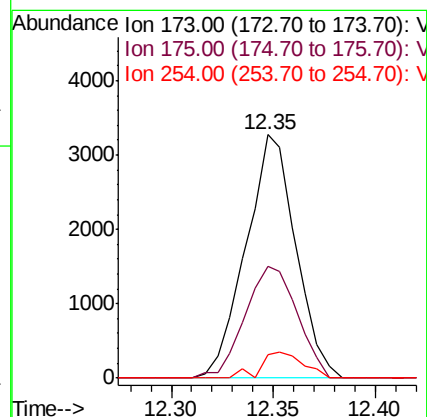
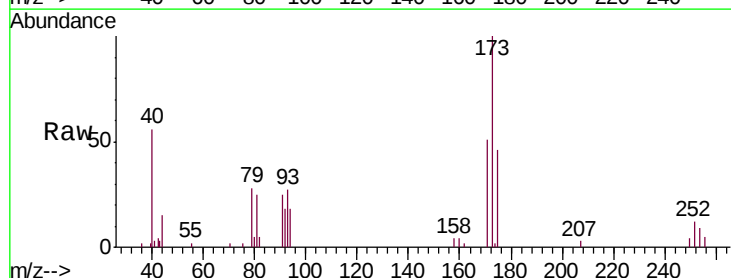
Tgt Ion: 173 Resp: 5567

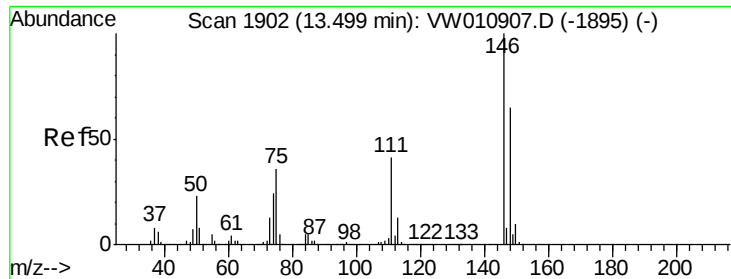
Ion Ratio Lower Upper

173 100

175 48.0 38.2 57.2

254 8.1 8.5 12.7#

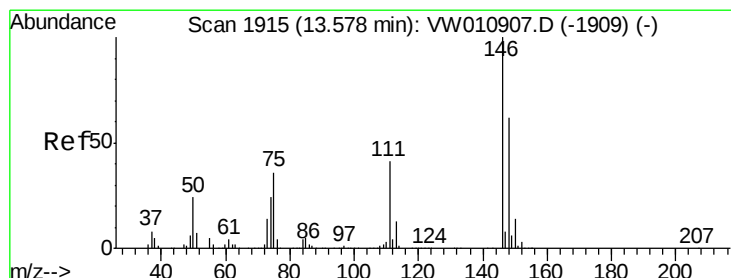
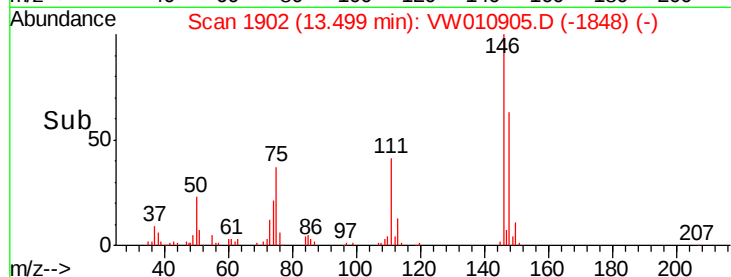
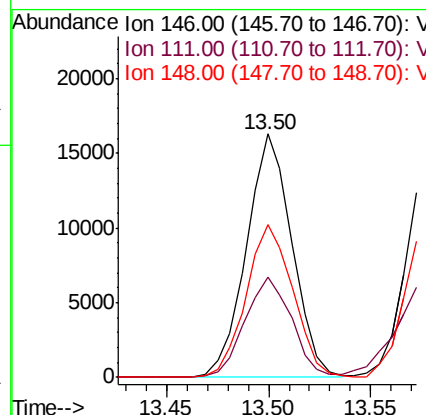
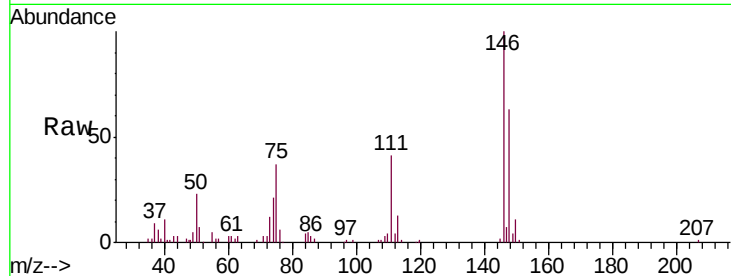




#63
 1,3-Dichlorobenzene
 Concen: 2.398 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010905.D
 Acq: 21 Jun 2019 21:08

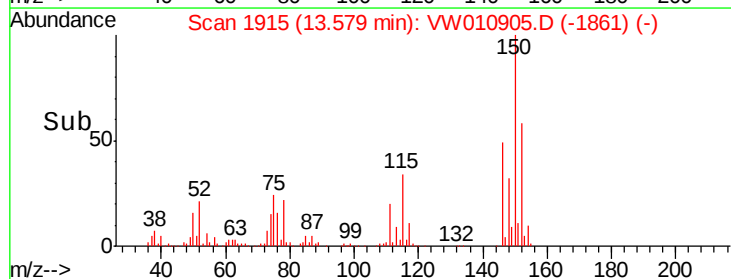
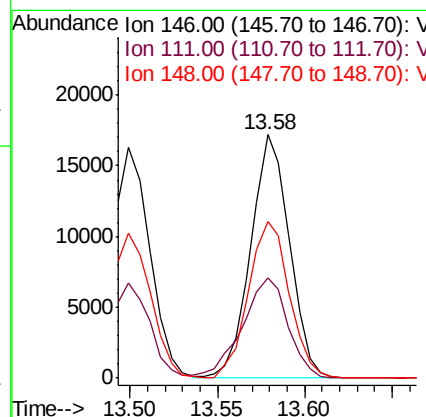
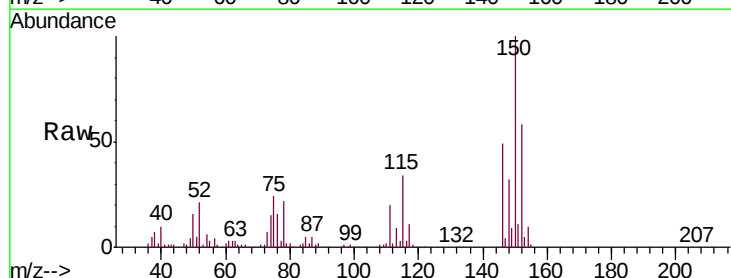
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.501

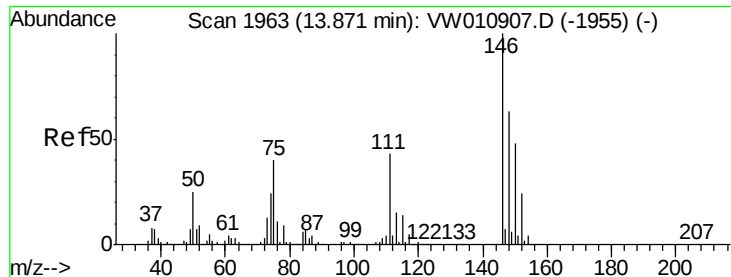
Tgt Ion:146 Resp: 25241
 Ion Ratio Lower Upper
 146 100
 111 41.0 28.8 53.6
 148 62.9 45.4 84.4



#64
 1,4-Dichlorobenzene
 Concen: 2.482 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW010905.D
 Acq: 21 Jun 2019 21:08

Tgt Ion:146 Resp: 26569
 Ion Ratio Lower Upper
 146 100
 111 41.0 28.7 53.3
 148 64.1 43.8 81.3

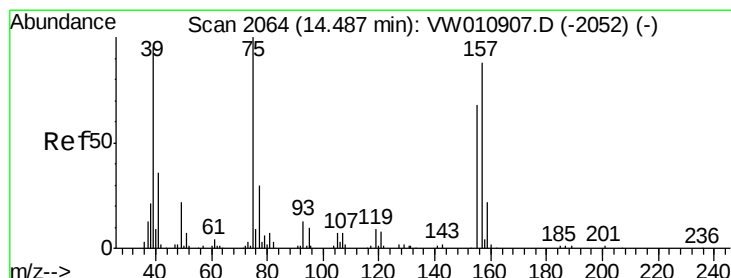
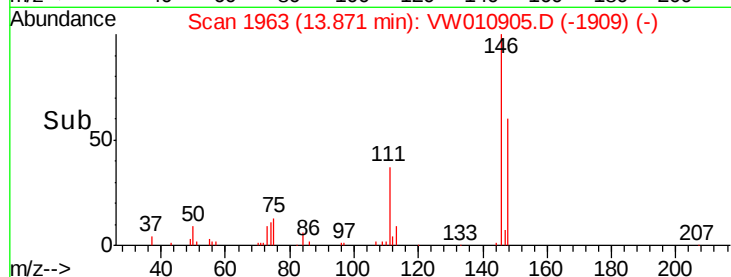
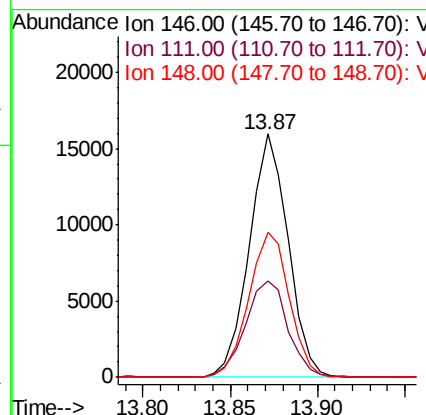
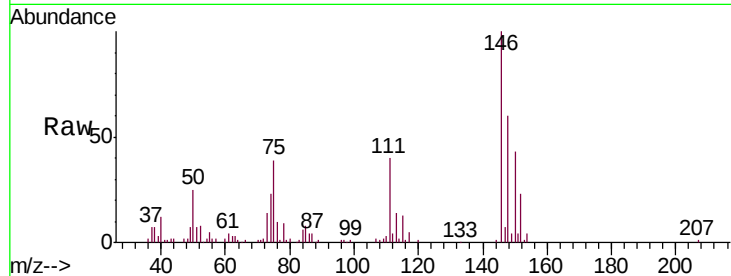




#65
 1,2-Dichlorobenzene
 Concen: 2.498 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010905.D
 Acq: 21 Jun 2019 21:08

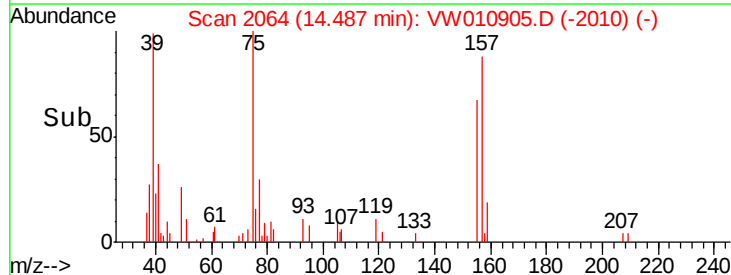
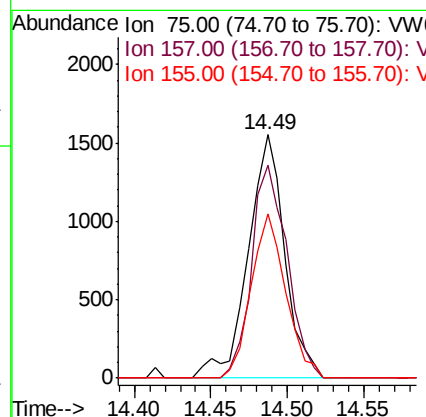
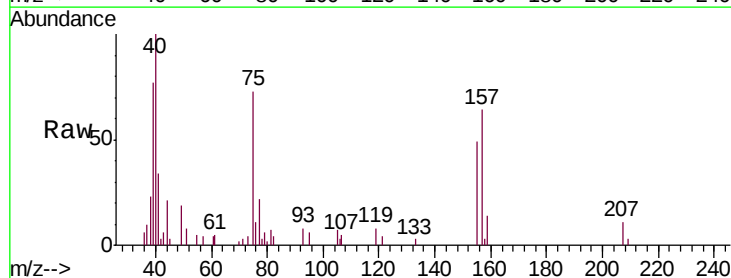
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.501

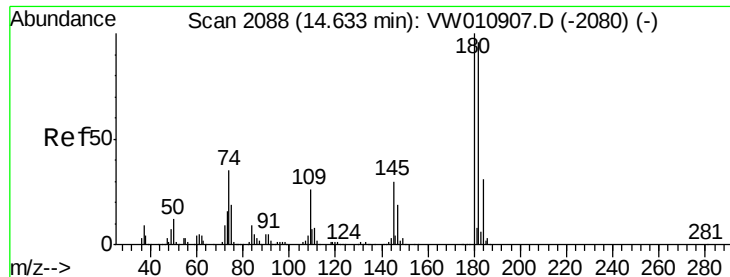
Tgt Ion:146 Resp: 24773
 Ion Ratio Lower Upper
 146 100
 111 39.5 34.6 51.8
 148 59.6 50.6 76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.463 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010905.D
 Acq: 21 Jun 2019 21:08

Tgt Ion: 75 Resp: 2579
 Ion Ratio Lower Upper
 75 100
 157 87.5 70.1 105.1
 155 67.4 54.5 81.7

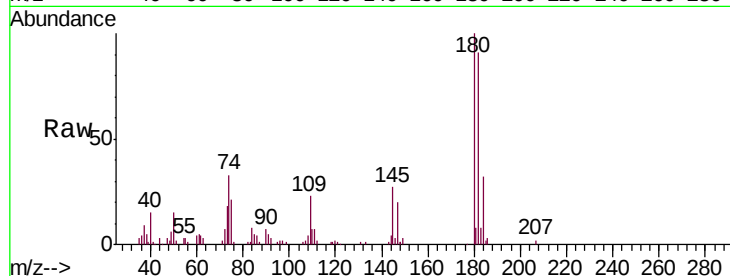




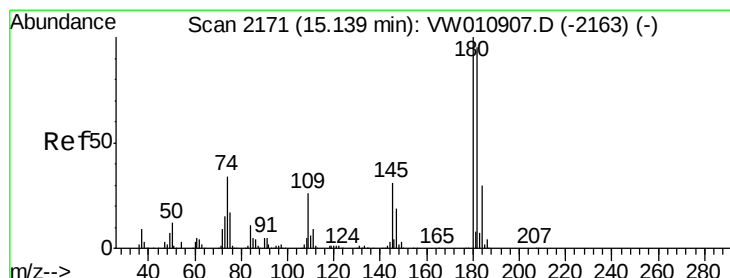
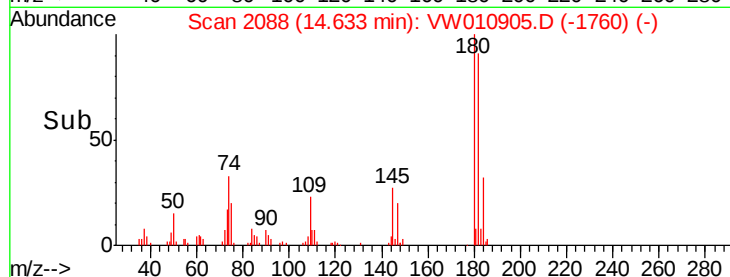
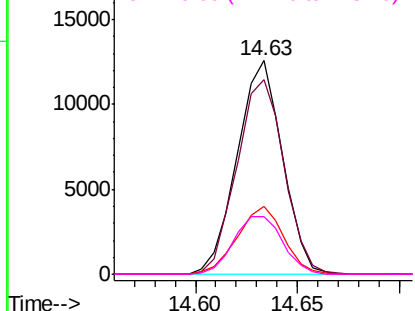
#67
 1,3,5-Trichlorobenzene
 Concen: 2.431 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW010905.D
 Acq: 21 Jun 2019 21:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.501

Tgt Ion:180 Resp: 19447
 Ion Ratio Lower Upper
 180 100
 182 94.9 75.8 113.8
 184 32.3 24.2 36.2
 145 29.1 23.8 35.6

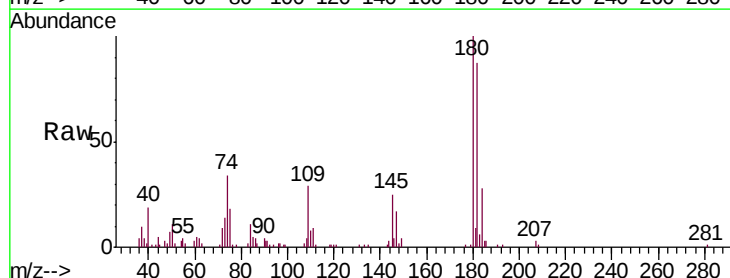


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

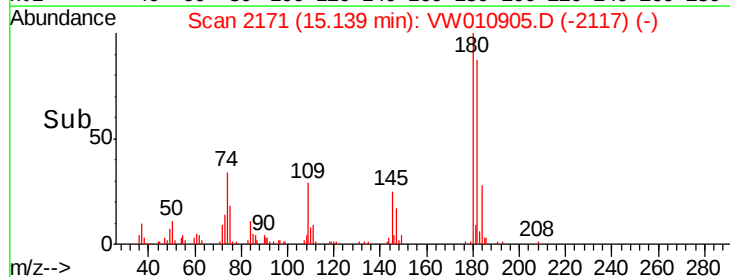
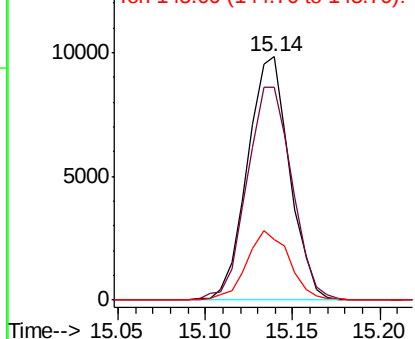


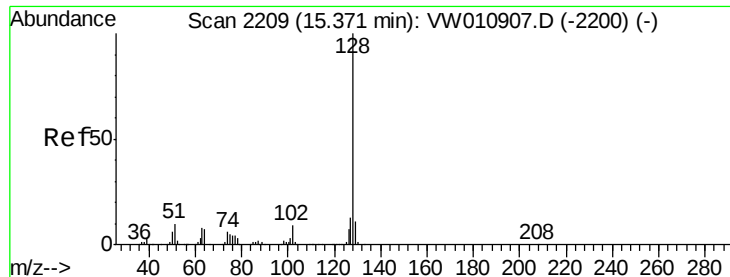
#68
 1,2,4-trichlorobenzene
 Concen: 2.482 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010905.D
 Acq: 21 Jun 2019 21:08

Tgt Ion:180 Resp: 16586
 Ion Ratio Lower Upper
 180 100
 182 93.5 76.6 114.8
 145 29.1 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: 2.398 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW010905.D

Acq: 21 Jun 2019 21:08

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.501

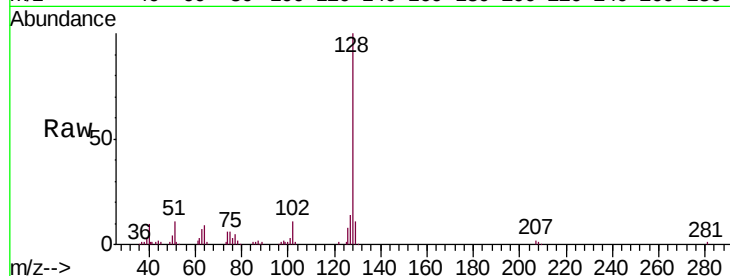
Tgt Ion:128 Resp: 34413

Ion Ratio Lower Upper

128 100

129 10.7 8.6 13.0

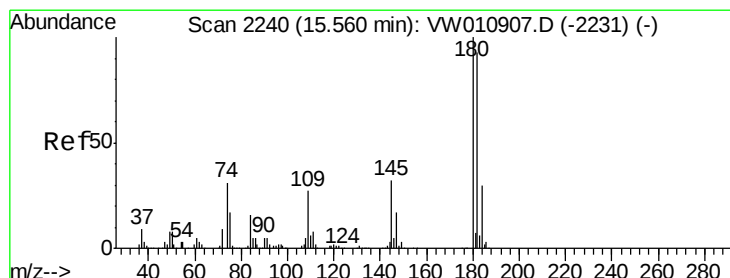
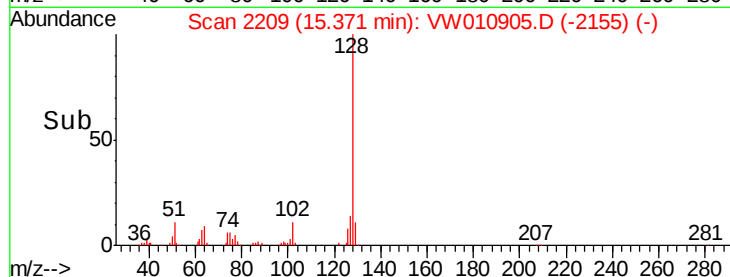
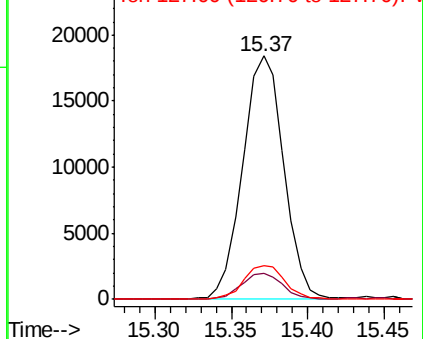
127 13.9 10.6 15.8



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: 2.597 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW010905.D

Acq: 21 Jun 2019 21:08

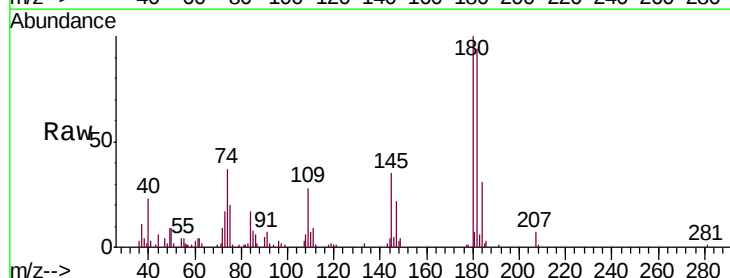
Tgt Ion:180 Resp: 15711

Ion Ratio Lower Upper

180 100

182 97.3 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

