

Data File : VW010911.D
Acq On : 21 Jun 2019 23:50
Operator : SY/VA
Sample : VSTD2.506
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.506

Quant Time: Jun 22 05:37:26 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	349402	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	323165	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	153811	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	11379	2.29	ug/L	0.00
7) Chloroethane-d5	2.88	69	10291	2.70	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	25505	2.43	ug/L	0.00
20) 2-Butanone-d5	7.08	46	13716	6.49	ug/L	0.00
24) Chloroform-d	7.65	84	28297	3.72	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	18857	3.17	ug/L	0.00
29) Benzene-d6	8.27	84	57132	2.96	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	19388	3.11	ug/L	0.00
37) Toluene-d8	10.32	98	51725	2.98	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	7029	2.53	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	8352	5.60	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	15775	2.96	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	18947	3.23	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	7626	1.407 ug/L	96
3) Chloromethane	2.21	50	10564	1.748 ug/L	100
5) Vinyl chloride	2.36	62	9995	1.743 ug/L	85
6) Bromomethane	2.78	94	6388	2.398 ug/L	91
8) Chloroethane	2.92	64	6359	1.916 ug/L	99
9) Trichlorofluoromethane	3.25	101	2843	0.444 ug/L	93
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	8615	1.919 ug/L	97
12) 1,1-Dichloroethene	4.04	96	8181	1.953 ug/L	85
13) Acetone	4.12	43	10548	5.070 ug/L	76
14) Carbon disulfide	4.39	76	21212	1.717 ug/L	99
15) Methyl Acetate	4.67	43	7664	2.132 ug/L #	84
16) Methylene chloride	4.92	84	13062	2.633 ug/L	95
17) Methyl tert-butyl Ether	5.42	73	16373	1.317 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	9831	2.125 ug/L	95
19) 1,1-Dichloroethane	6.20	63	19589	2.044 ug/L	98
21) 2-Butanone	7.18	43	13270	4.486 ug/L	89
22) cis-1,2-Dichloroethene	7.17	96	10650	2.037 ug/L	97
23) Bromochloromethane	7.52	128	4747	2.181 ug/L	85
25) Chloroform	7.67	83	18368	1.719 ug/L	96
27) 1,2-Dichloroethane	8.40	62	15446	2.167 ug/L	100
30) Cyclohexane	7.96	56	19116	1.962 ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	12563	1.678 ug/L	98
32) Carbon tetrachloride	8.06	117	11133	1.751 ug/L	97
34) Benzene	8.32	78	43393	2.150 ug/L	100
35) Trichloroethene	9.09	95	10437	2.026 ug/L	98
36) Methylcyclohexane	9.33	83	17682	1.933 ug/L	100
40) 1,2-Dichloropropane	9.37	63	11860	2.110 ug/L #	96
41) Bromodichloromethane	9.65	83	12487	1.897 ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	14737	1.716 ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	21554	3.956 ug/L	100

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Quant Title : VOC Analysis
QLast Update : Sat Jun 22 05:32:32 2019
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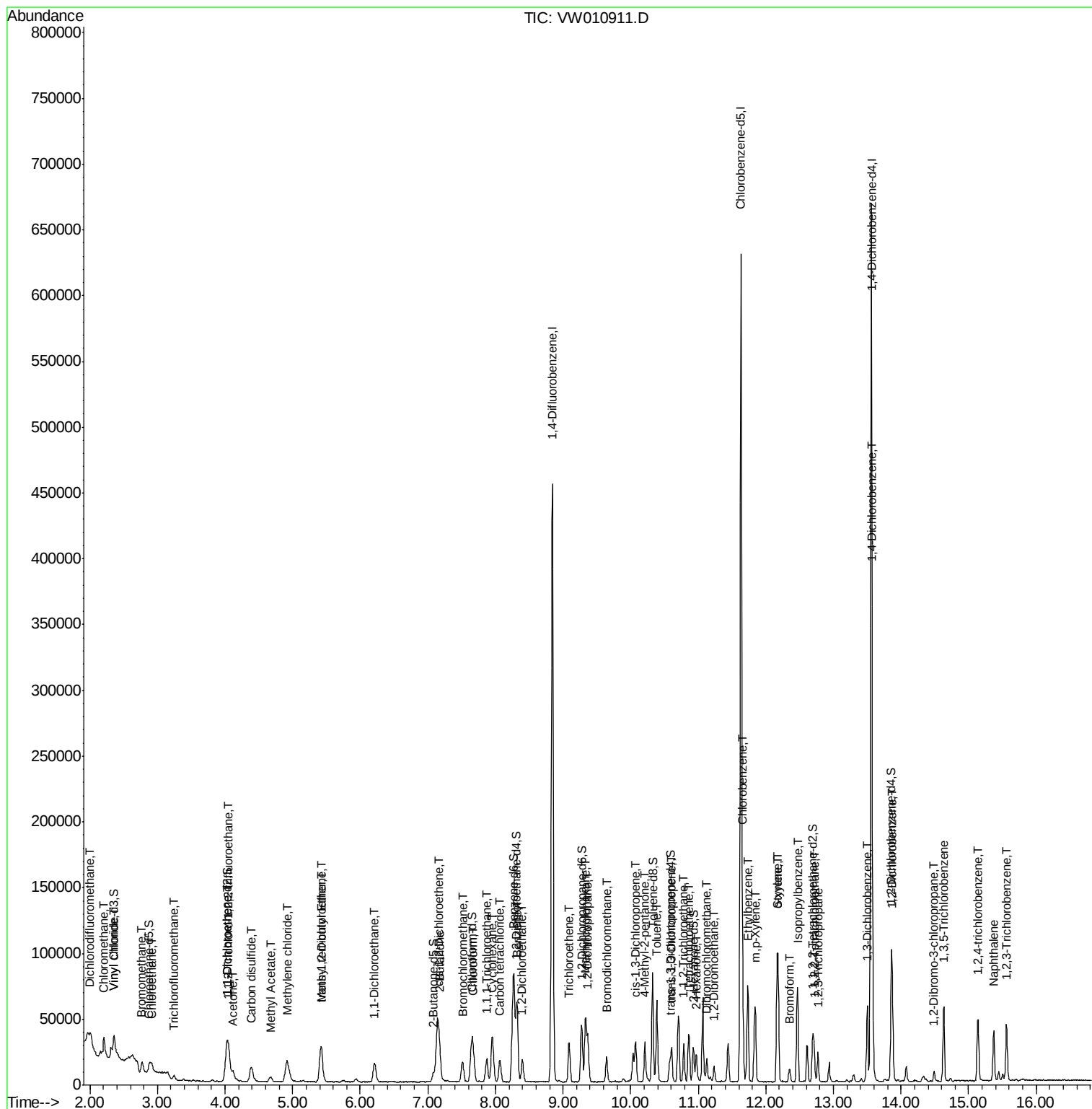
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	43234	2.045	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	12868	1.785	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	8010	2.003	ug/L	97
47) Tetrachloroethene	10.86	164	7550	1.964	ug/L	97
49) 2-Hexanone	10.97	43	14805	3.740	ug/L	98
50) Dibromochloromethane	11.13	129	7634	1.734	ug/L	100
51) 1,2-Dibromoethane	11.23	107	8093	2.094	ug/L	93
52) Chlorobenzene	11.66	112	27760	2.120	ug/L	98
53) Ethylbenzene	11.73	91	48101	2.000	ug/L	98
54) m,p-Xylene	11.84	106	17281	1.986	ug/L	98
55) o-xylene	12.16	106	17383	2.060	ug/L	96
56) Styrene	12.18	104	27891	1.899	ug/L	98
57) Isopropylbenzene	12.46	105	43799	1.910	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.72	83	10424	1.946	ug/L	95
59) 1,2,3-Trichloropropane	12.77	75	8710	2.059	ug/L	97
62) Bromoform	12.35	173	4427	1.721	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	20818	2.103	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	22249	2.211	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	19705	2.114	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	1983	2.015	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	16505	2.194	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	13931	2.217	ug/L	99
69) Naphthalene	15.37	128	29858	2.213	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	13183	2.318	ug/L	97

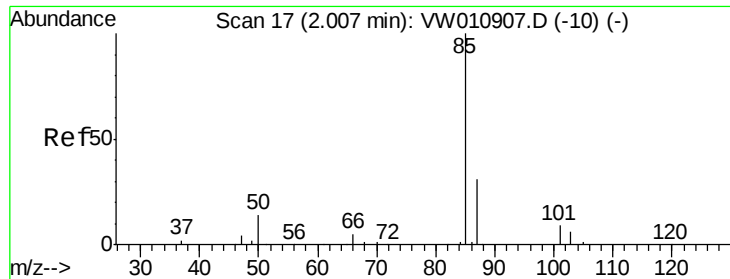
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.407 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

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Acq: 21 Jun 2019 23:50

Instrument :

MSVOA_W

ClientSampleId :

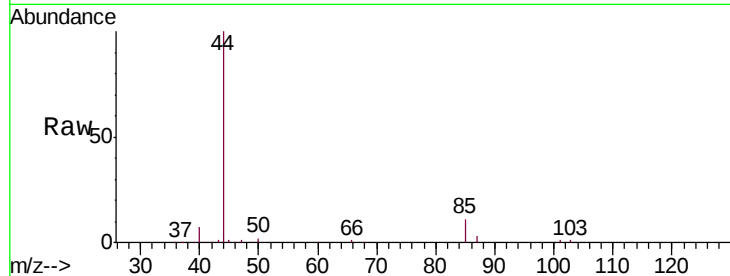
VSTD2.506

Tgt Ion: 85 Resp: 7626

Ion Ratio Lower Upper

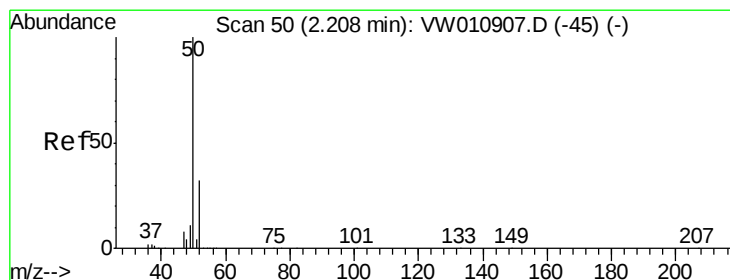
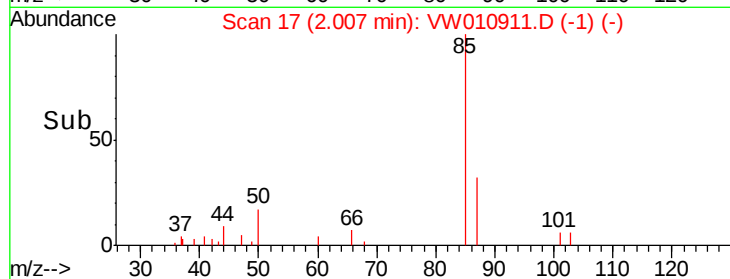
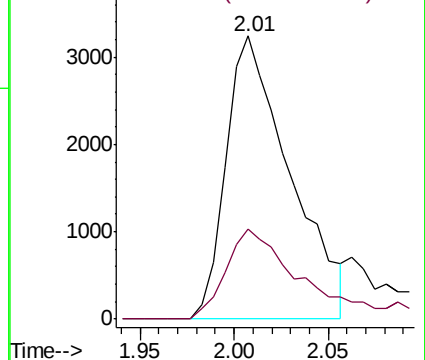
85 100

87 35.8 23.4 43.4



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 1.748 ug/L

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW010911.D

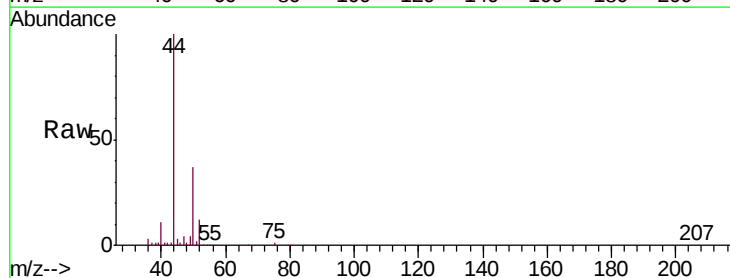
Acq: 21 Jun 2019 23:50

Tgt Ion: 50 Resp: 10564

Ion Ratio Lower Upper

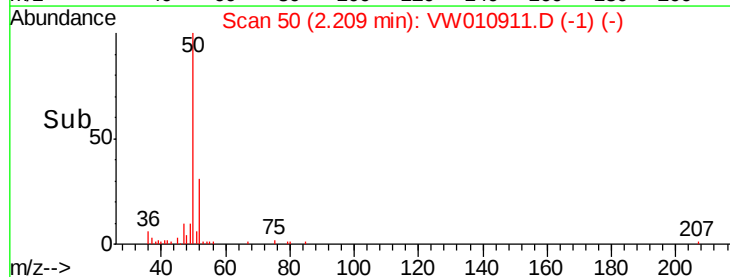
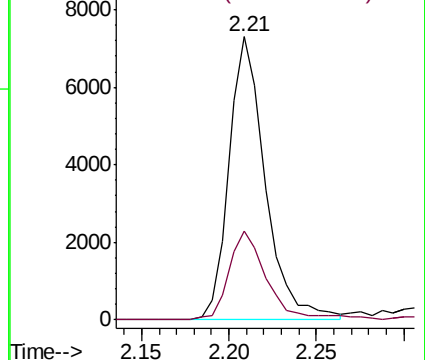
50 100

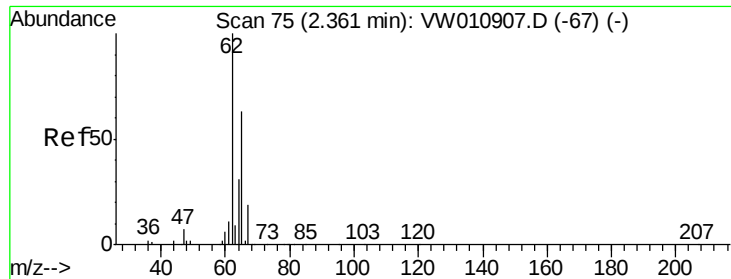
52 31.5 22.2 41.2



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 1.743 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW010911.D

Acq: 21 Jun 2019 23:50

Instrument :

MSVOA_W

ClientSampleId :

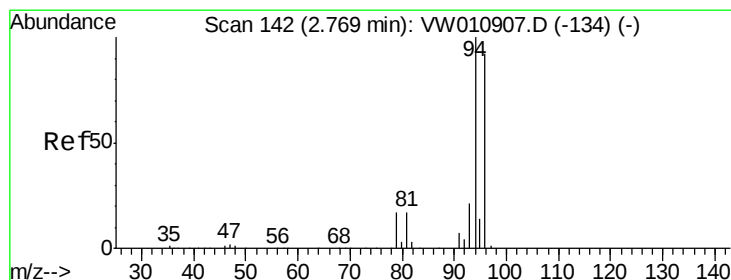
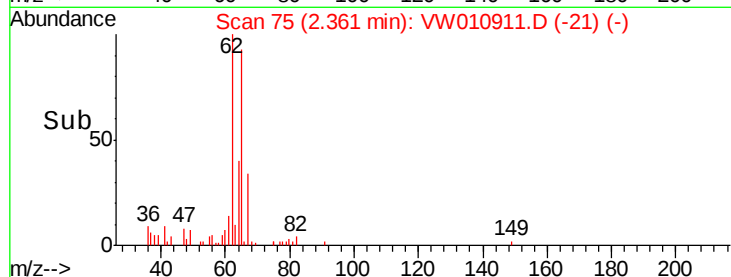
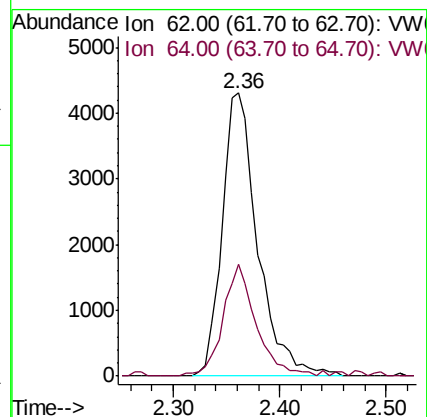
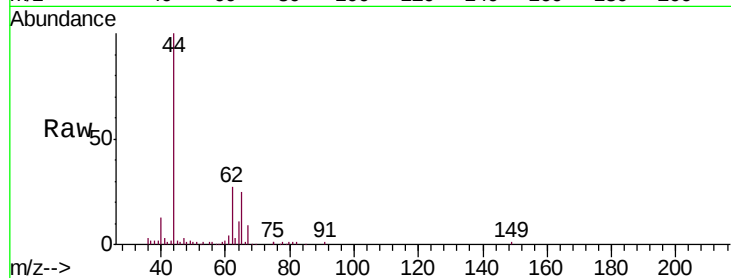
VSTD2.506

Tgt Ion: 62 Resp: 9995

Ion Ratio Lower Upper

62 100

64 39.5 21.8 40.6



#6

Bromomethane

Concen: 2.398 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW010911.D

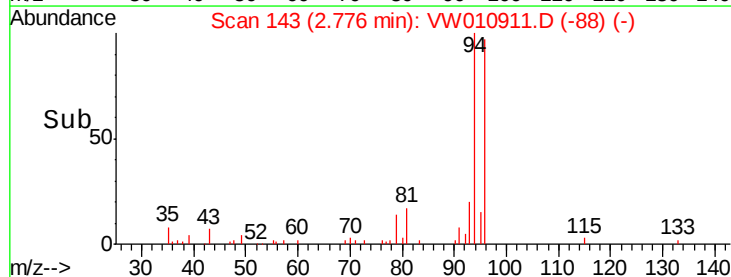
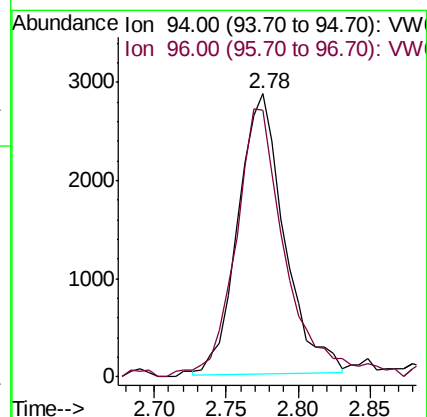
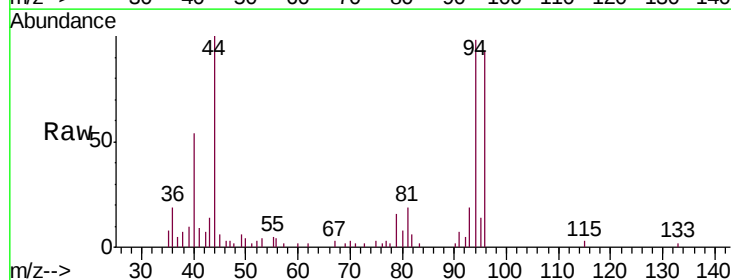
Acq: 21 Jun 2019 23:50

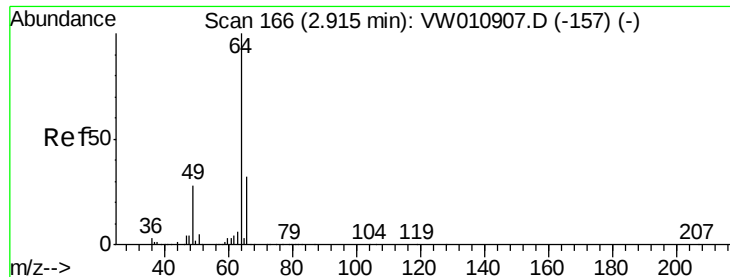
Tgt Ion: 94 Resp: 6388

Ion Ratio Lower Upper

94 100

96 100.7 9.2 175.6





#8

Chloroethane

Concen: 1.916 ug/L

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW010911.D

Acq: 21 Jun 2019 23:50

Instrument :

MSVOA_W

ClientSampleId :

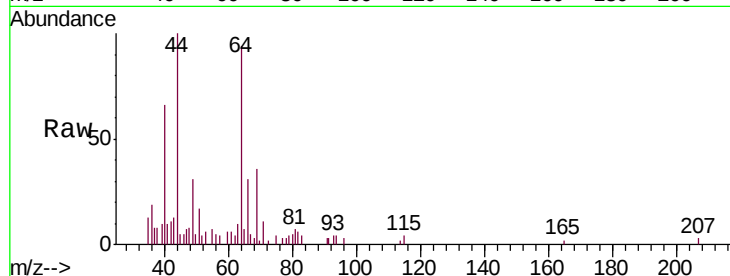
VSTD2.506

Tgt Ion: 64 Resp: 6359

Ion Ratio Lower Upper

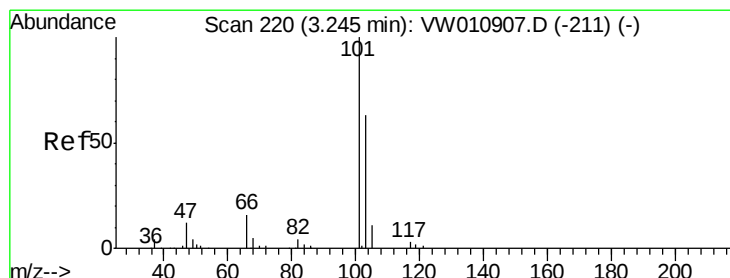
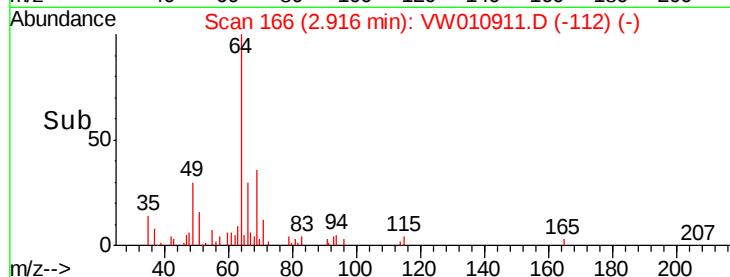
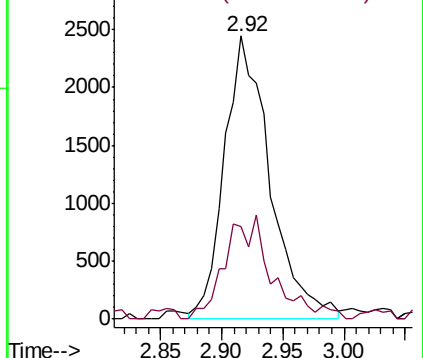
64 100

66 32.8 22.6 42.0



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 0.444 ug/L

RT: 3.25 min Scan# 220

Delta R.T. 0.00 min

Lab File: VW010911.D

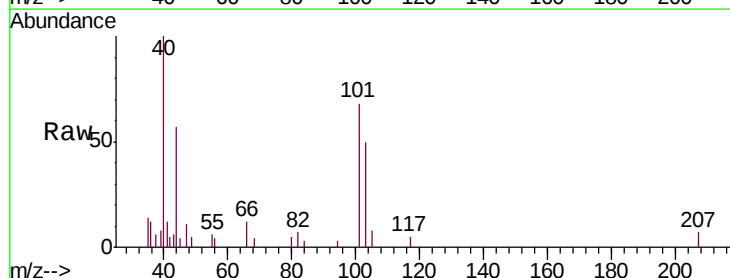
Acq: 21 Jun 2019 23:50

Tgt Ion: 101 Resp: 2843

Ion Ratio Lower Upper

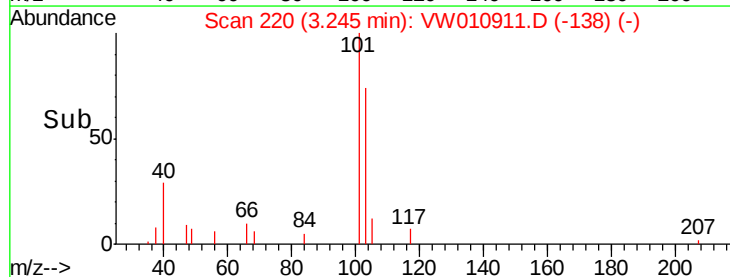
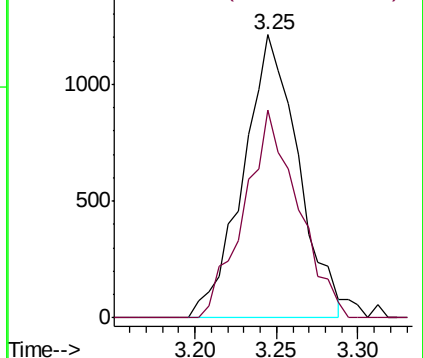
101 100

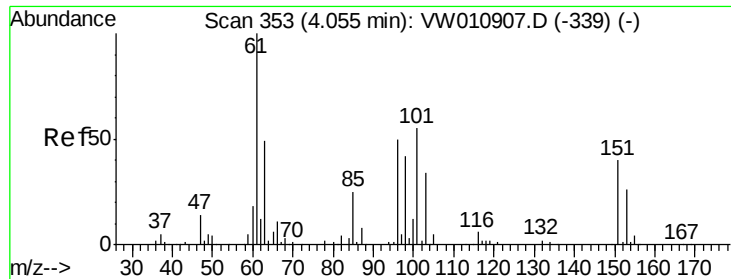
103 71.7 46.1 85.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

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

Concen: 1.919 ug/L

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

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Acq: 21 Jun 2019 23:50

Instrument :

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ClientSampleId :

VSTD2.506

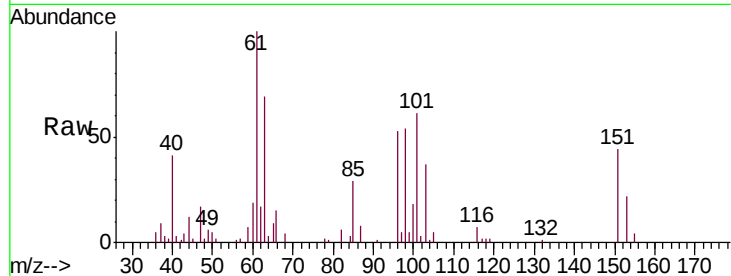
Tgt Ion:101 Resp: 8615

Ion Ratio Lower Upper

101 100

85 49.4 36.5 54.7

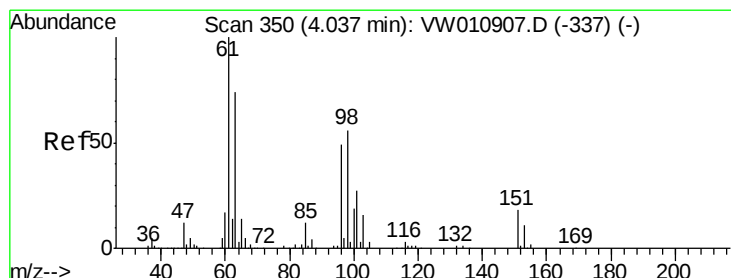
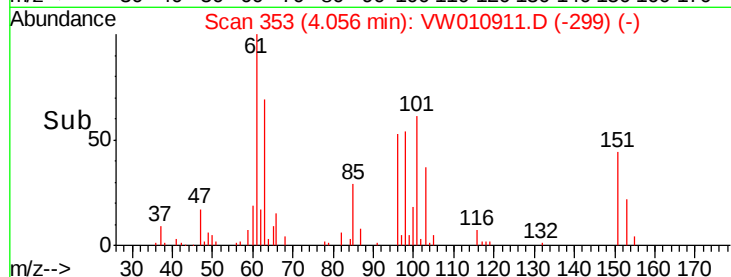
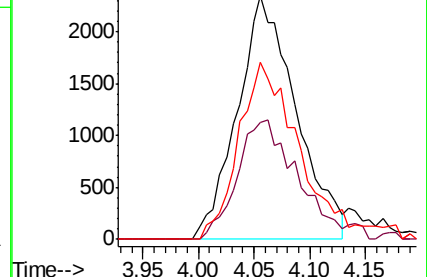
151 72.5 58.6 88.0



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: 1.953 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW010911.D

Acq: 21 Jun 2019 23:50

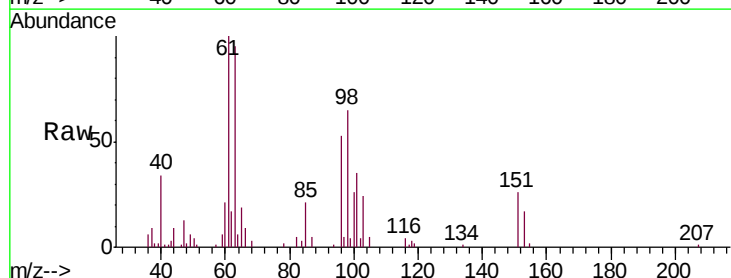
Tgt Ion: 96 Resp: 8181

Ion Ratio Lower Upper

96 100

61 188.5 144.3 267.9

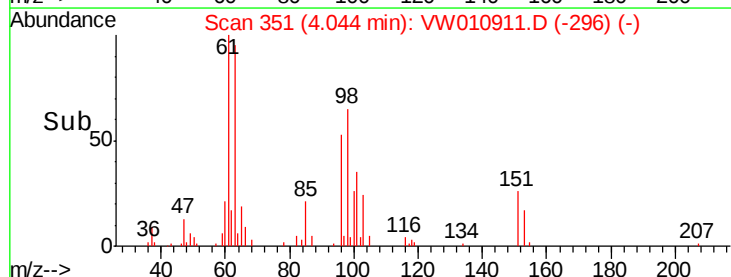
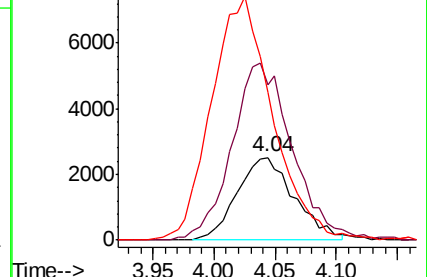
63 179.4 108.4 201.2

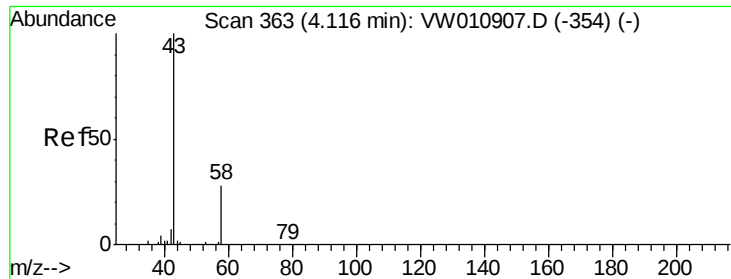


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 5.070 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

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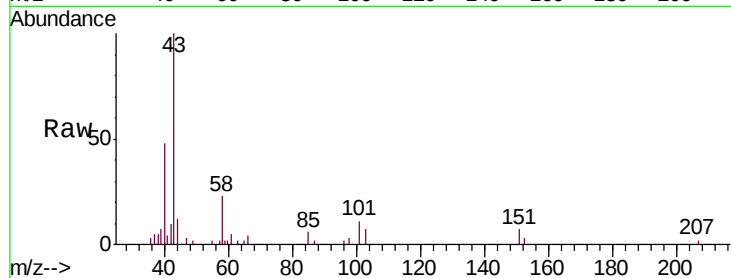
VSTD2.506

Tgt Ion: 43 Resp: 10548

Ion Ratio Lower Upper

43 100

58 14.7 0.0 54.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

4000

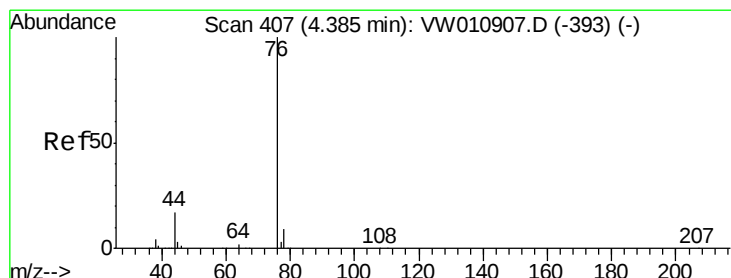
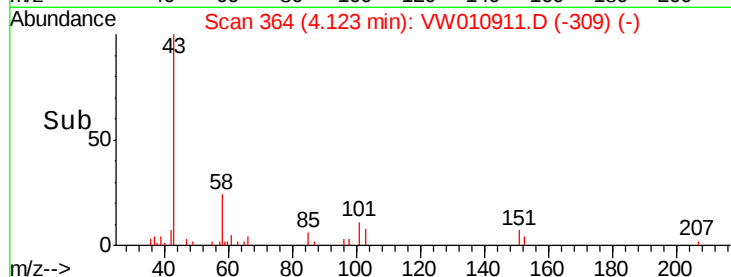
3000

2000

1000

0

Time--> 4.00 4.10 4.20



#14

Carbon disulfide

Concen: 1.717 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW010911.D

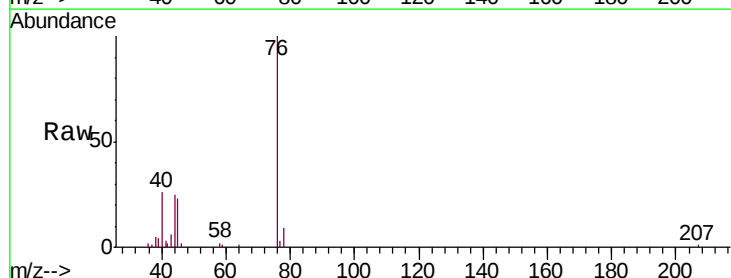
Acq: 21 Jun 2019 23:50

Tgt Ion: 76 Resp: 21212

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.39

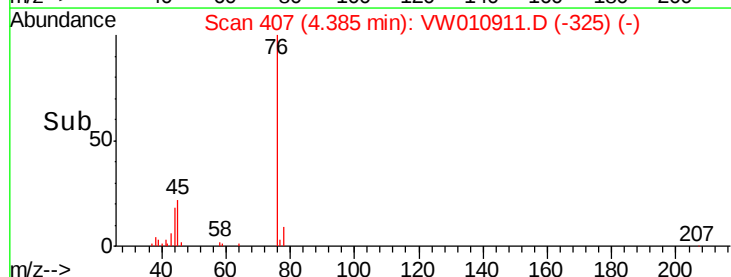
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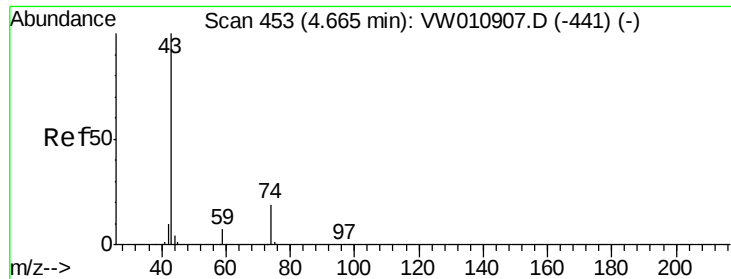
4000

2000

0

Time--> 4.30 4.40 4.50

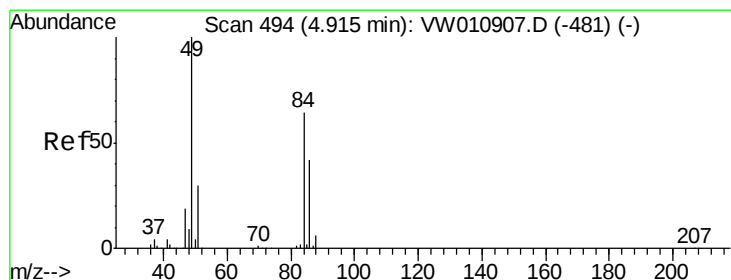
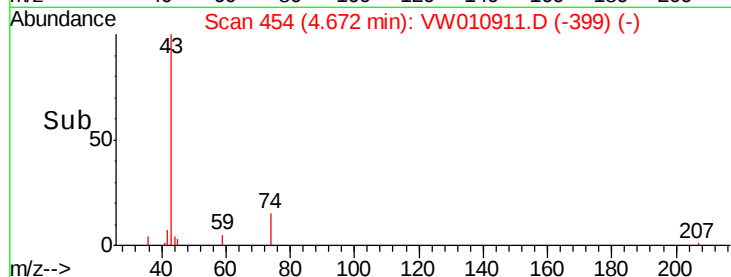
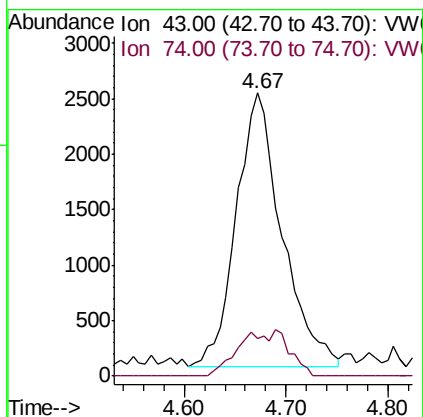
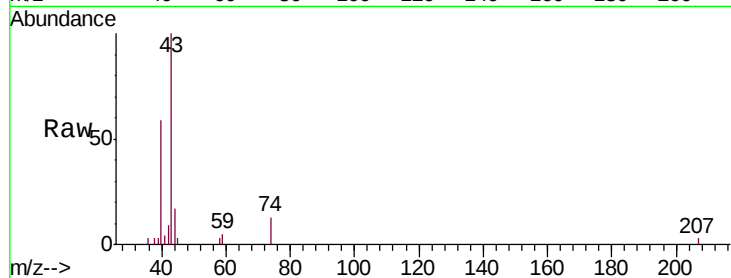




#15
Methyl Acetate
Concen: 2.132 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW010911.D
Acq: 21 Jun 2019 23:50

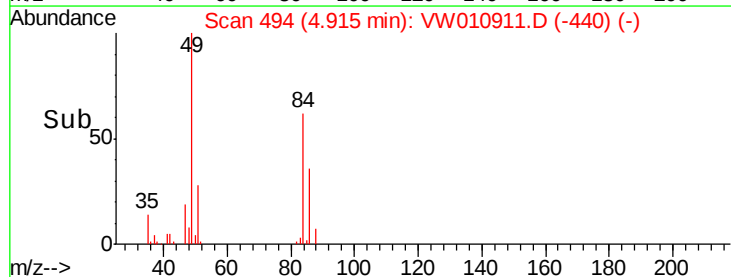
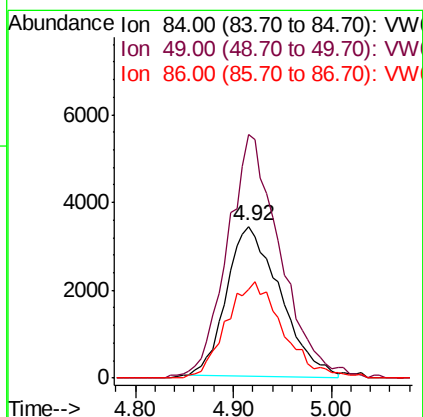
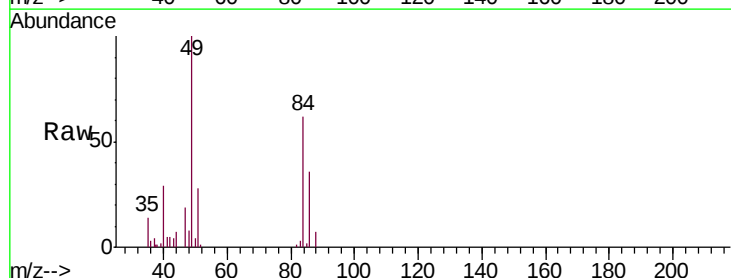
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.506

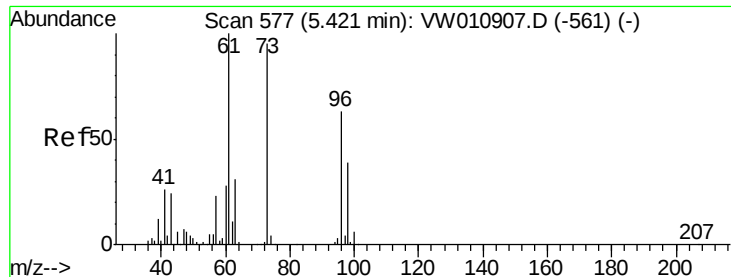
Tgt Ion: 43 Resp: 7664
Ion Ratio Lower Upper
43 100
74 11.7 15.3 22.9#



#16
Methylene chloride
Concen: 2.633 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010911.D
Acq: 21 Jun 2019 23:50

Tgt Ion: 84 Resp: 13062
Ion Ratio Lower Upper
84 100
49 160.4 109.8 203.8
86 58.1 46.5 86.5



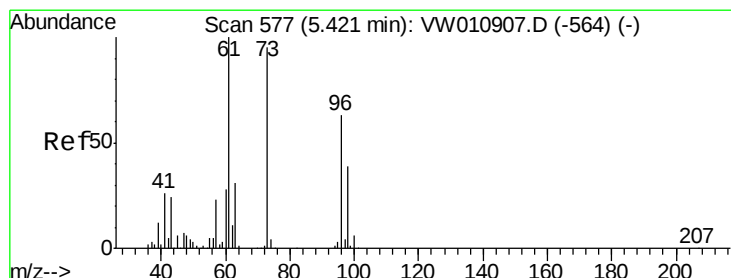
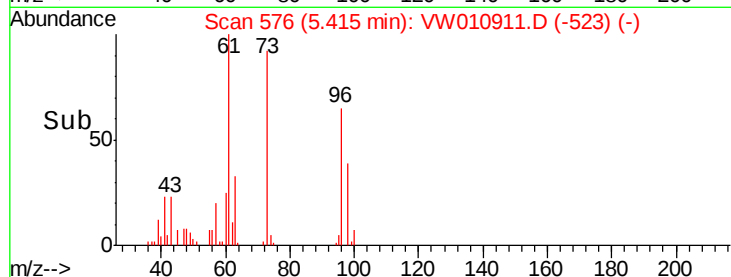
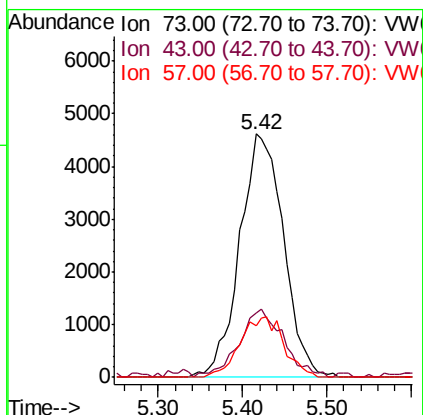
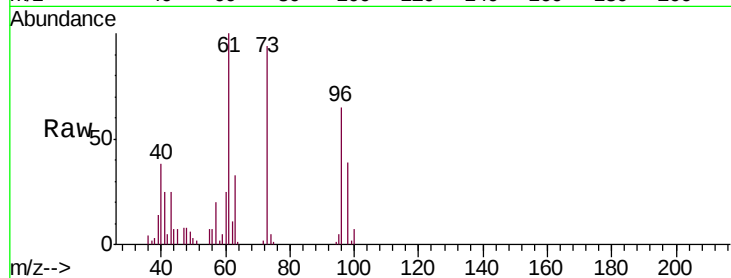


#17

Methyl tert-butyl Ether
 Concen: 1.317 ug/L
 RT: 5.42 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: VW010911.D
 Acq: 21 Jun 2019 23:50

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD2.506

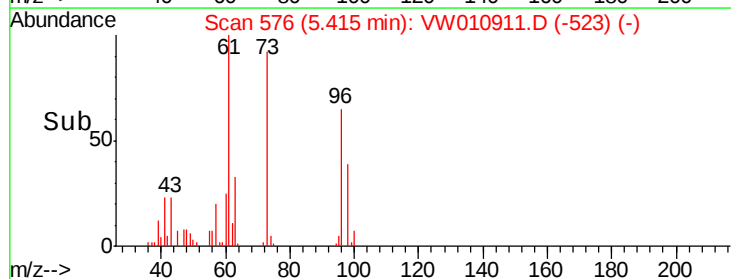
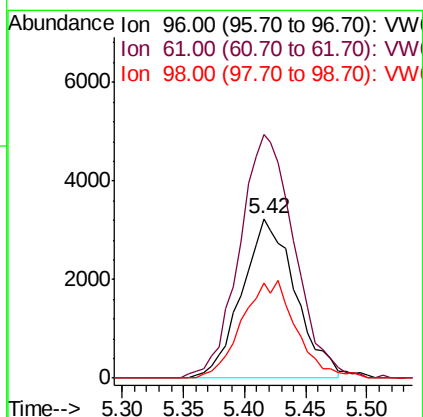
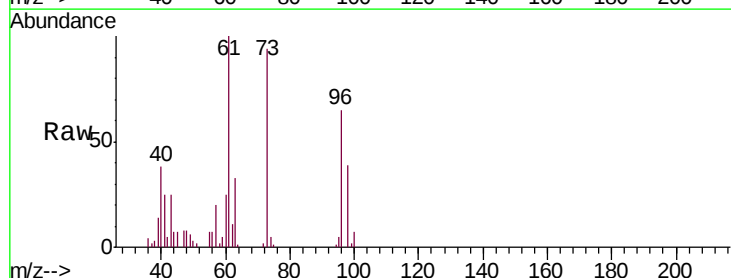
Tgt Ion	Ratio	Lower	Upper
73	100		
43	25.9	20.4	30.6
57	24.7	19.5	29.3

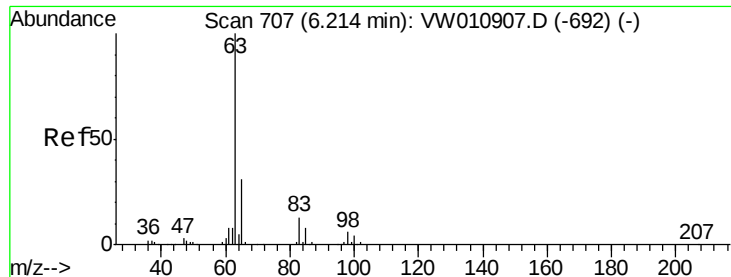


#18

trans-1,2-Dichloroethene
 Concen: 2.125 ug/L
 RT: 5.42 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: VW010911.D
 Acq: 21 Jun 2019 23:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.8	111.7	207.5
98	59.6	43.5	80.9

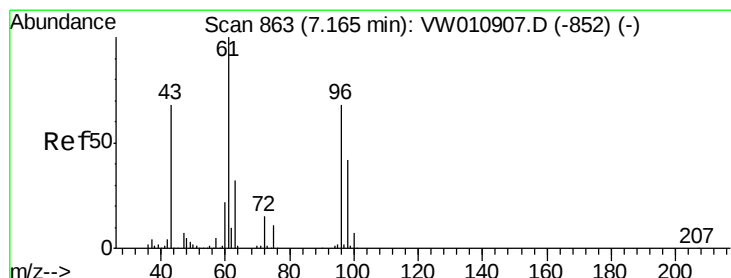
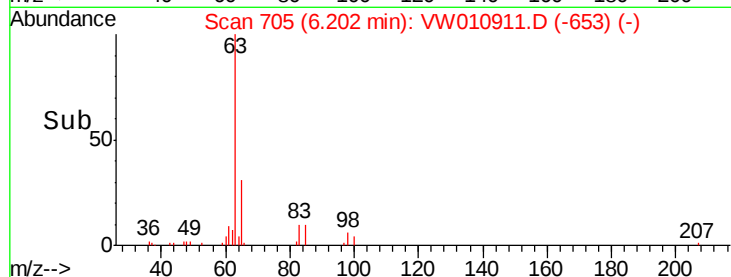
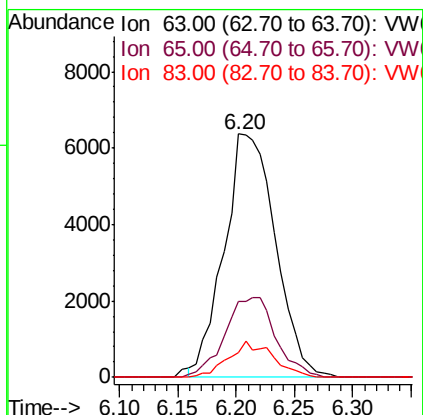
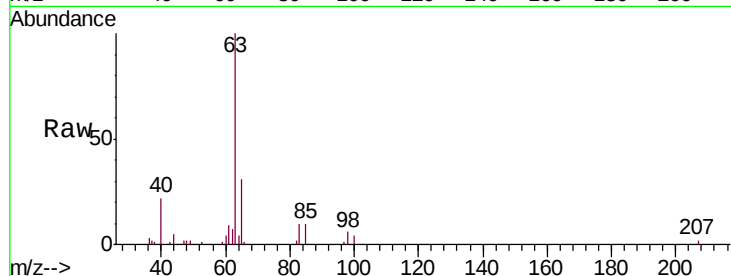




#19
 1,1-Dichloroethane
 Concen: 2.044 ug/L
 RT: 6.20 min Scan# 705
 Delta R.T. -0.01 min
 Lab File: VW010911.D
 Acq: 21 Jun 2019 23:50

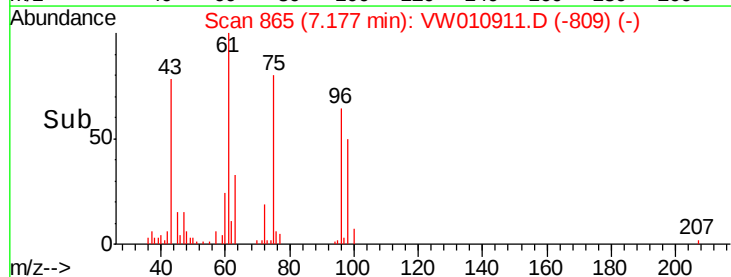
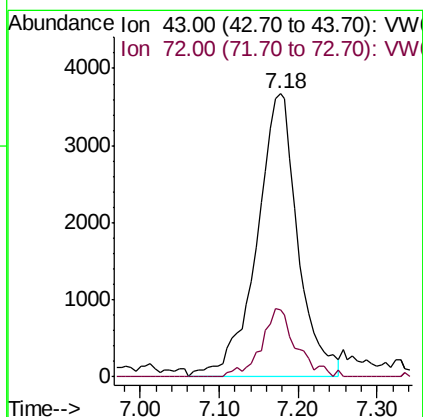
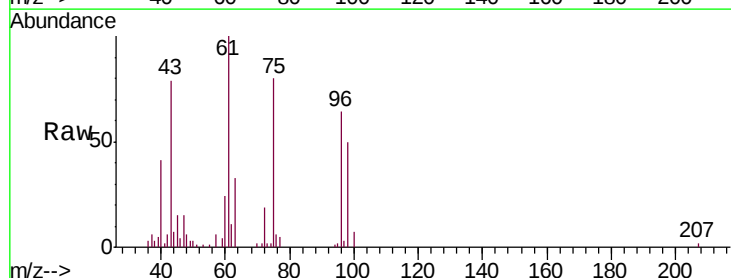
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.506

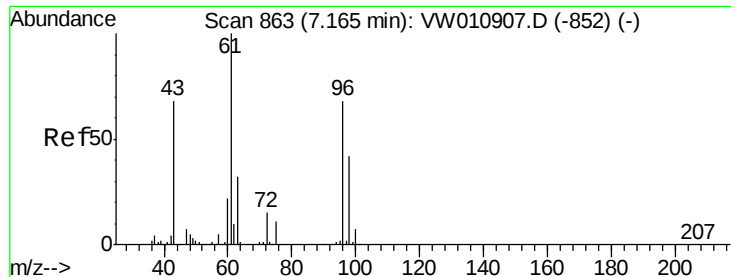
Tgt Ion: 63 Resp: 19589
 Ion Ratio Lower Upper
 63 100
 65 31.2 21.8 40.4
 83 10.2 8.8 16.4



#21
 2-Butanone
 Concen: 4.486 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW010911.D
 Acq: 21 Jun 2019 23:50

Tgt Ion: 43 Resp: 13270
 Ion Ratio Lower Upper
 43 100
 72 16.7 11.1 33.1



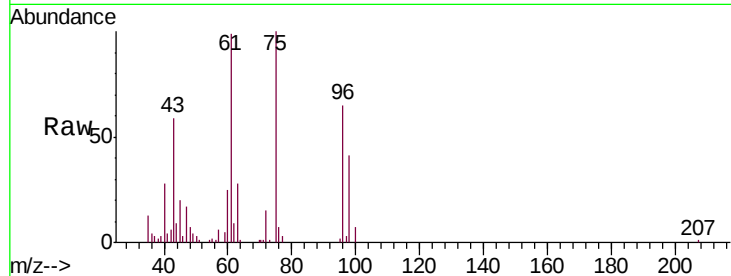


#22

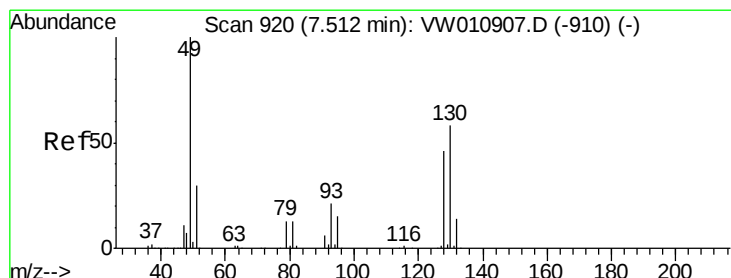
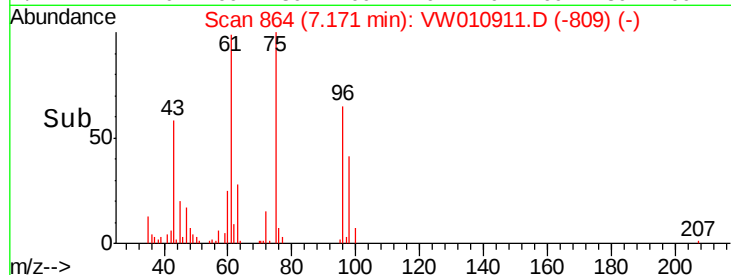
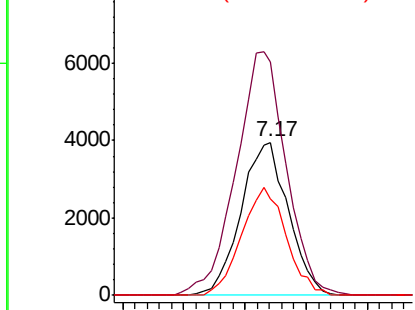
cis-1,2-Dichloroethene
Concen: 2.037 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW010911.D
Acq: 21 Jun 2019 23:50

Instrument :
MSVOA_W
ClientSampled :
VSTD2.506

Tgt Ion: 96 Resp: 10650
Ion Ratio Lower Upper
96 100
61 152.5 103.0 191.2
98 63.0 43.5 80.9



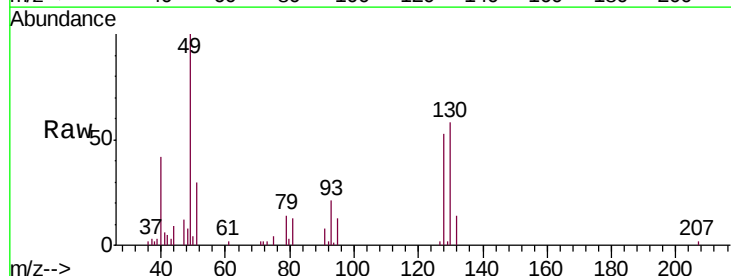
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



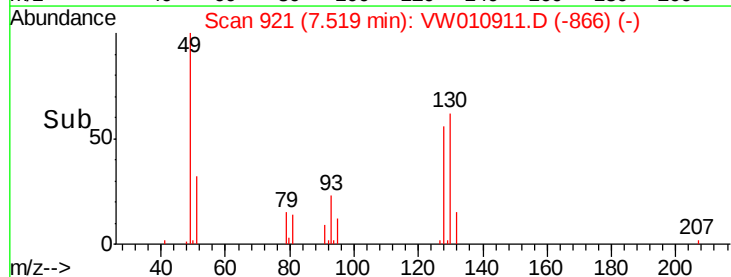
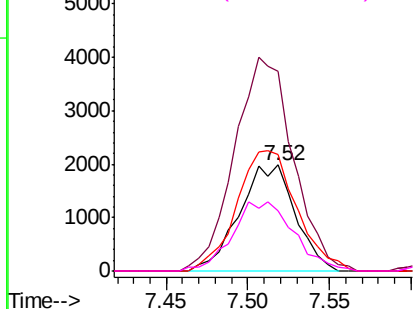
#23

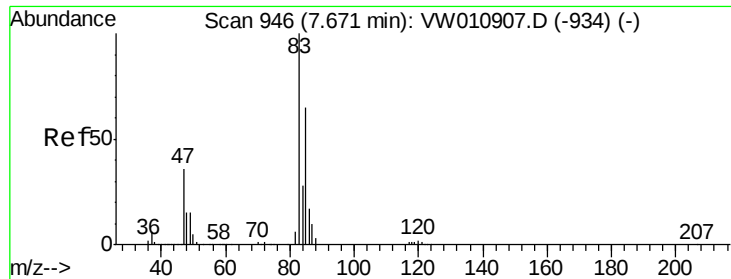
Bromochloromethane
Concen: 2.181 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.01 min
Lab File: VW010911.D
Acq: 21 Jun 2019 23:50

Tgt Ion: 128 Resp: 4747
Ion Ratio Lower Upper
128 100
49 188.6 151.2 280.8
130 109.7 87.8 163.0
51 56.3 52.6 78.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VW
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VW





#25

Chloroform

Concen: 1.719 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW010911.D

Acq: 21 Jun 2019 23:50

Instrument :

MSVOA_W

ClientSampleId :

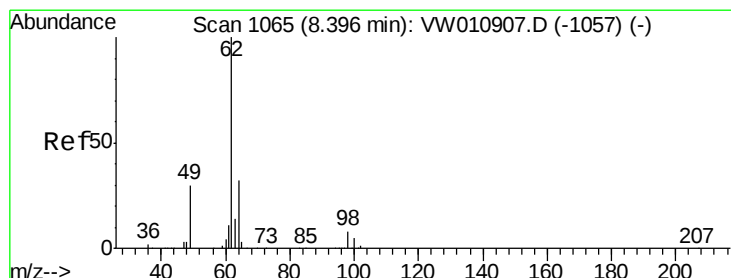
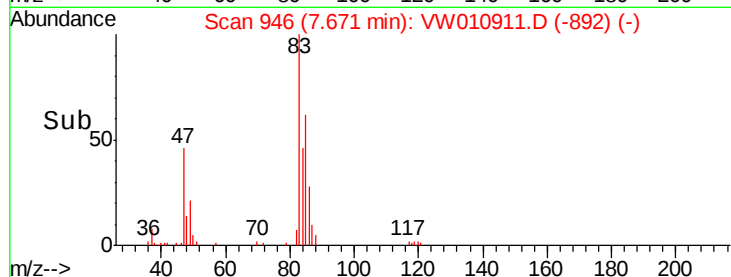
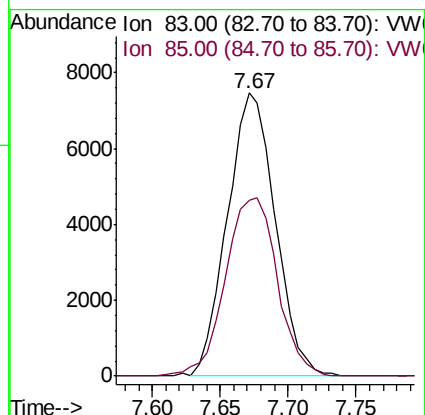
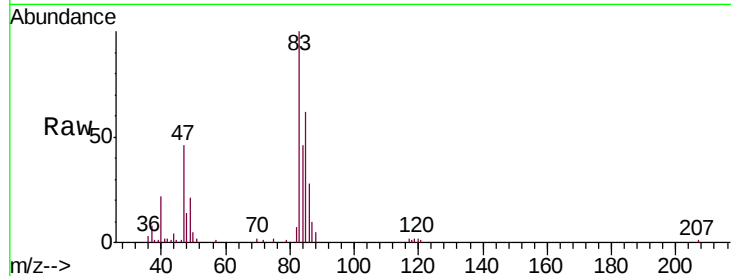
VSTD2.506

Tgt Ion: 83 Resp: 18368

Ion Ratio Lower Upper

83 100

85 68.3 45.7 84.9



#27

1,2-Dichloroethane

Concen: 2.167 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW010911.D

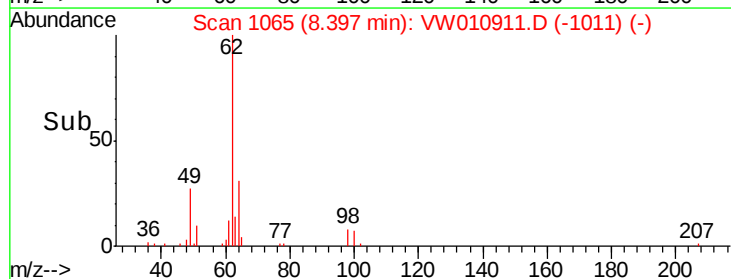
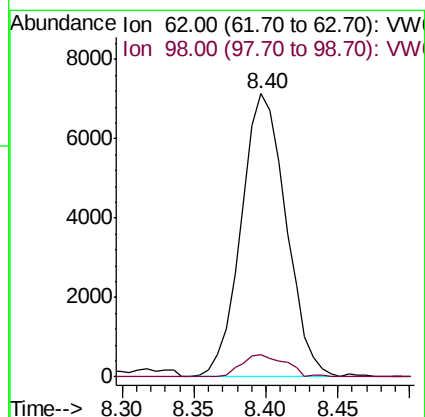
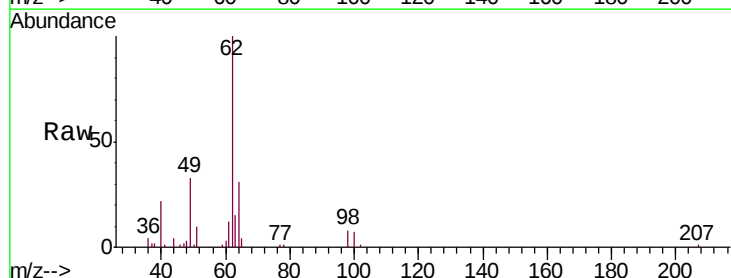
Acq: 21 Jun 2019 23:50

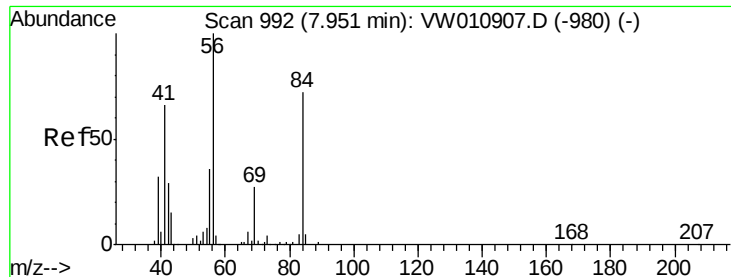
Tgt Ion: 62 Resp: 15446

Ion Ratio Lower Upper

62 100

98 8.1 6.3 9.5

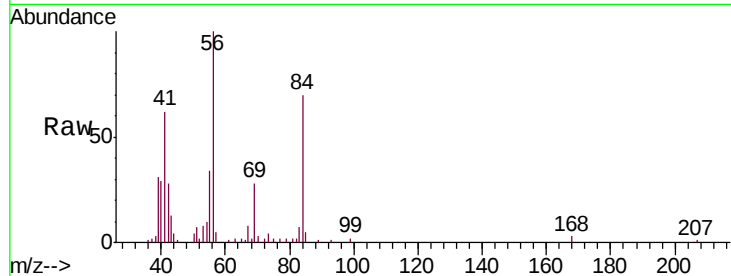




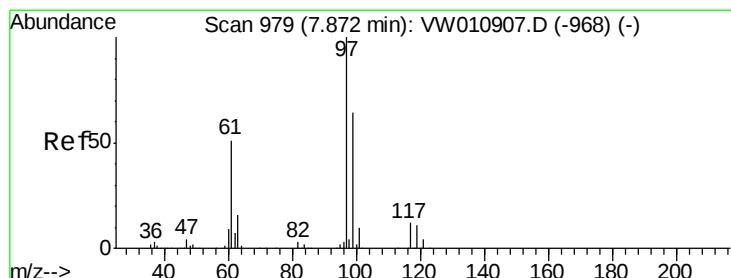
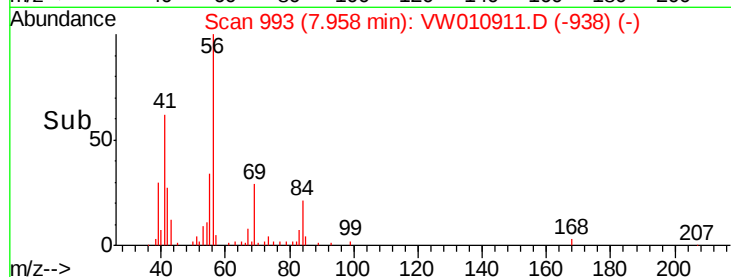
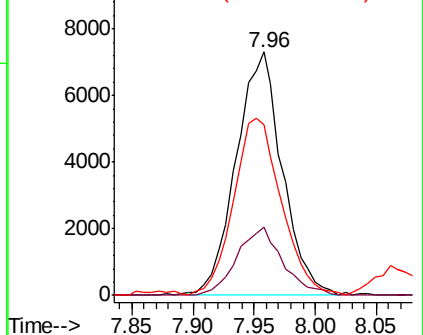
#30
Cyclohexane
Concen: 1.962 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW010911.D
Acq: 21 Jun 2019 23:50

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.506

Tgt Ion: 56 Resp: 19116
Ion Ratio Lower Upper
56 100
69 27.7 22.3 33.5
84 75.5 60.3 90.5

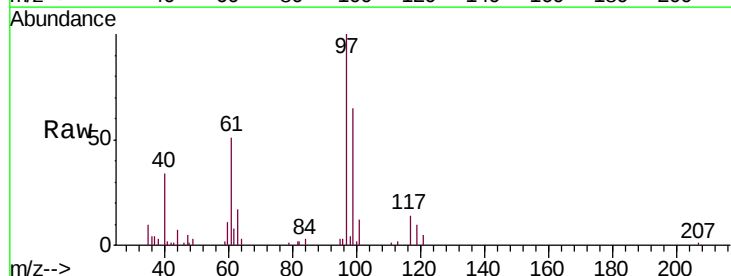


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

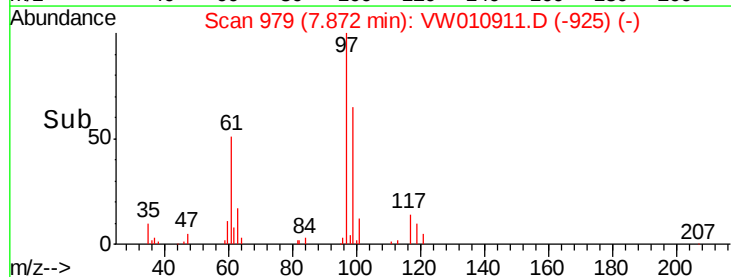
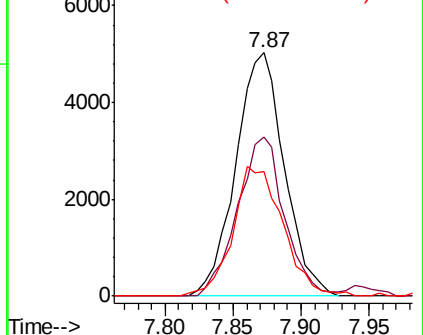


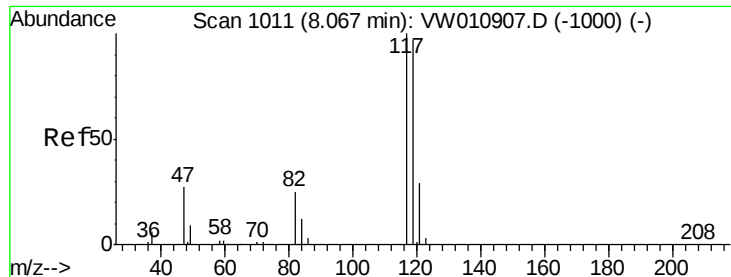
#31
1,1,1-Trichloroethane
Concen: 1.678 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW010911.D
Acq: 21 Jun 2019 23:50

Tgt Ion: 97 Resp: 12563
Ion Ratio Lower Upper
97 100
99 62.9 51.0 76.6
61 54.4 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: 1.751 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW010911.D

Acq: 21 Jun 2019 23:50

Instrument :

MSVOA_W

ClientSampleId :

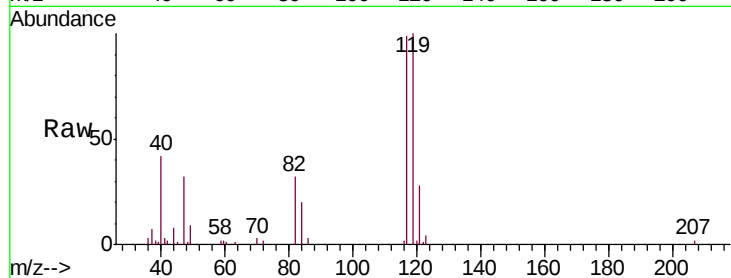
VSTD2.506

Tgt Ion:117 Resp: 11133

Ion Ratio Lower Upper

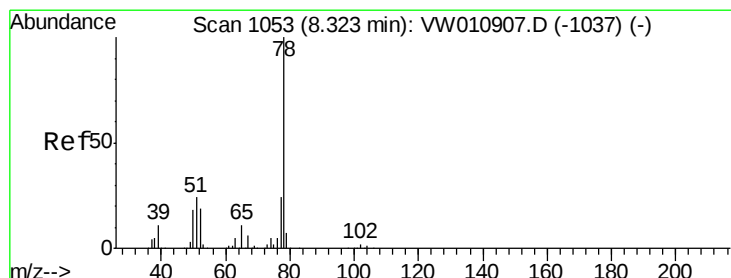
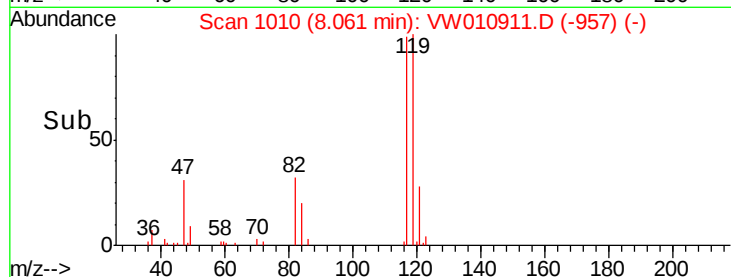
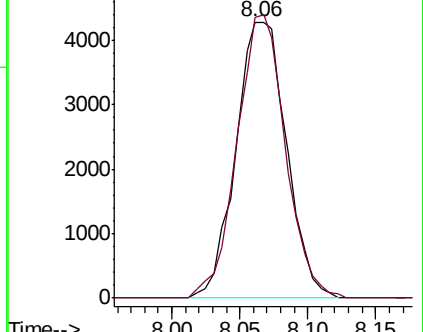
117 100

119 98.1 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: 2.150 ug/L

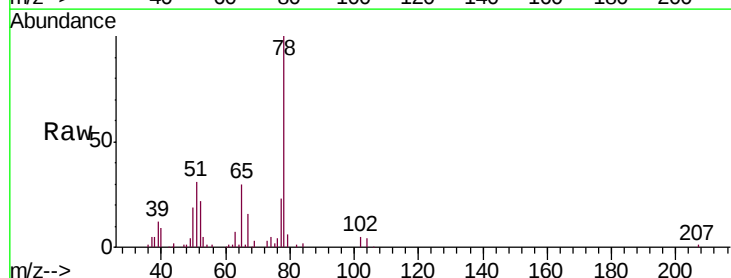
RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

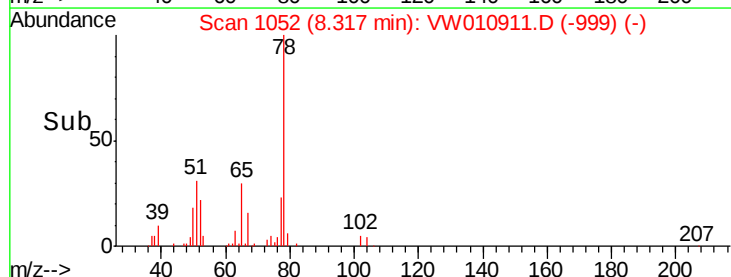
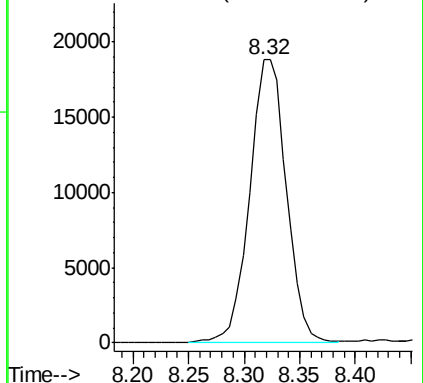
Lab File: VW010911.D

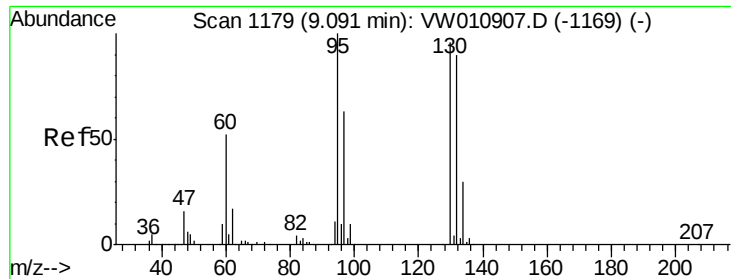
Acq: 21 Jun 2019 23:50

Tgt Ion: 78 Resp: 43393



Abundance Ion 78.00 (77.70 to 78.70): VW

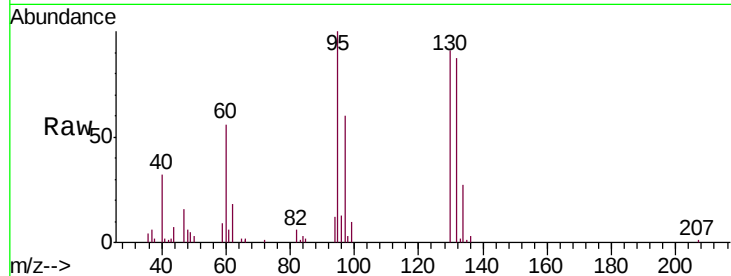




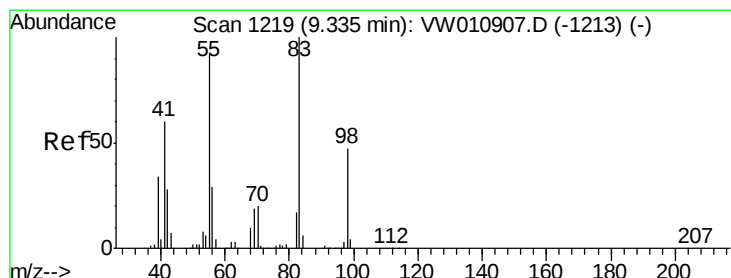
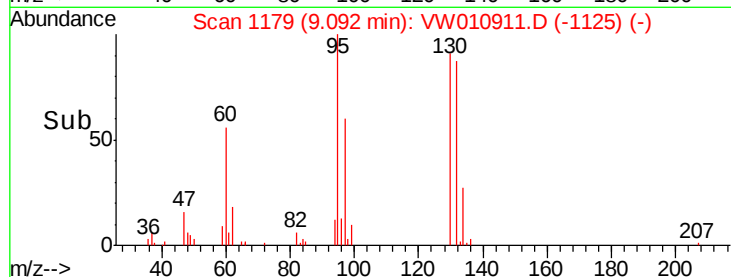
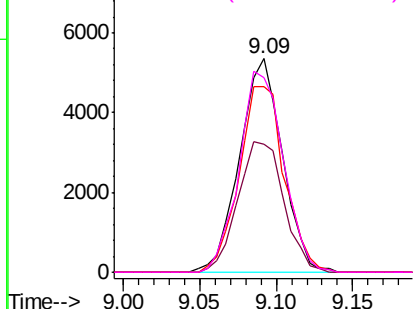
#35
 Trichloroethene
 Concen: 2.026 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW010911.D
 Acq: 21 Jun 2019 23:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.506

Tgt Ion:	95	Resp:	10437
Ion	Ratio	Lower	Upper
95	100		
97	65.5	44.5	82.7
132	92.2	63.6	118.2
130	97.0	66.8	124.0

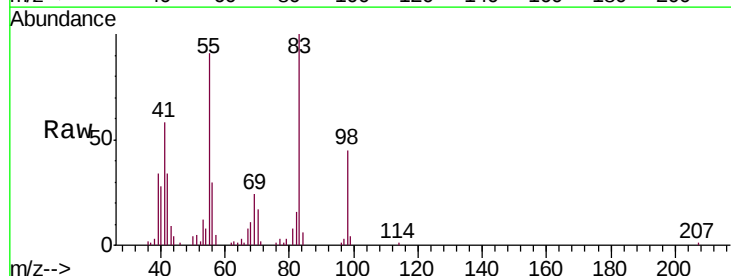


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

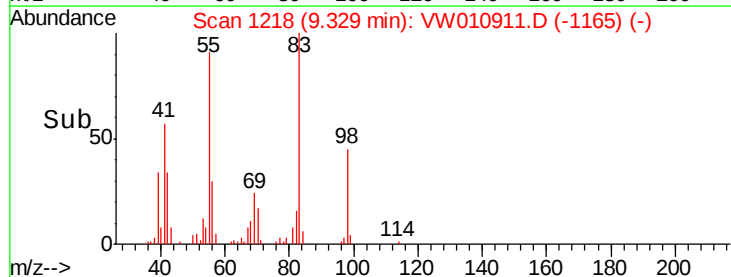
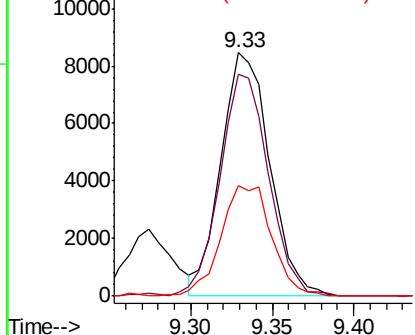


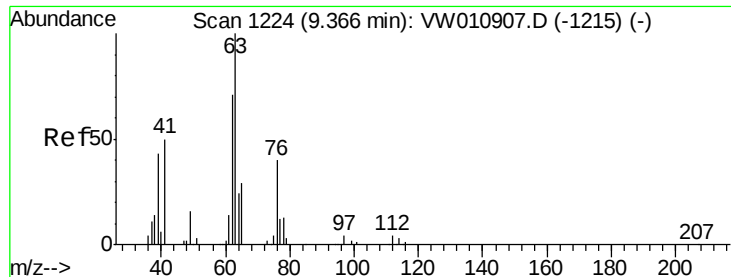
#36
 Methylcyclohexane
 Concen: 1.933 ug/L
 RT: 9.33 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VW010911.D
 Acq: 21 Jun 2019 23:50

Tgt Ion:	83	Resp:	17682
Ion	Ratio	Lower	Upper
83	100		
55	90.7	72.6	109.0
98	47.4	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

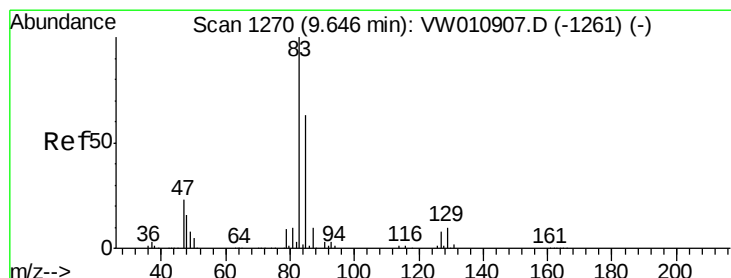
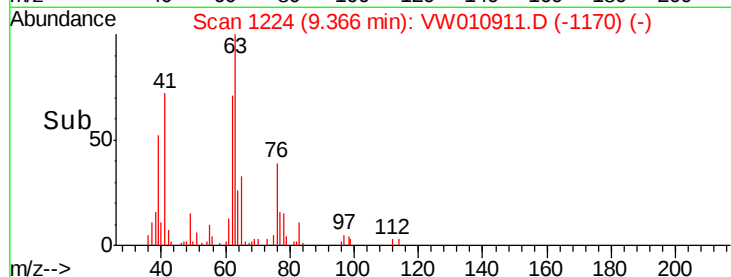
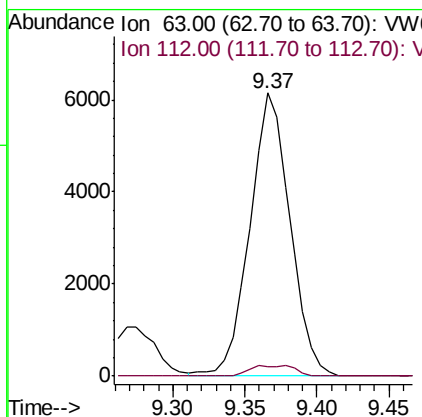
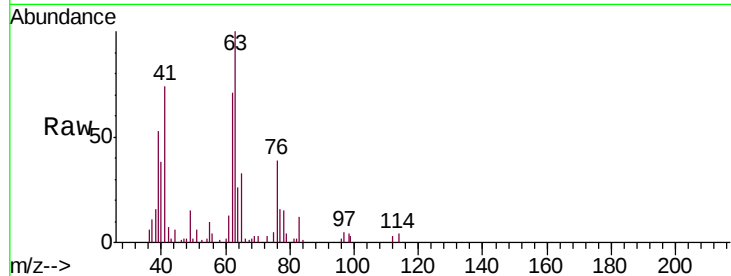




#40
 1,2-Dichloropropane
 Concen: 2.110 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW010911.D
 Acq: 21 Jun 2019 23:50

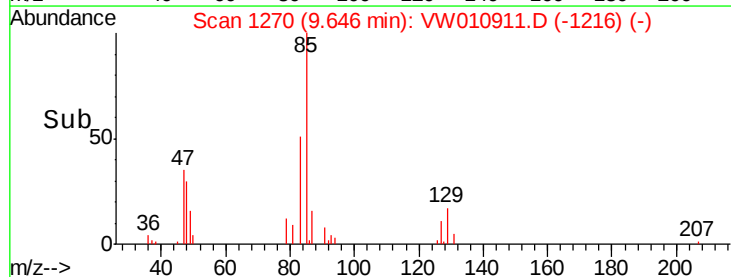
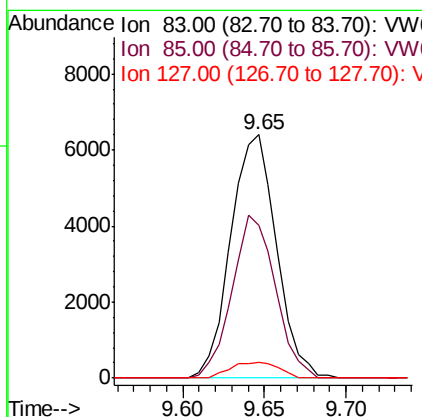
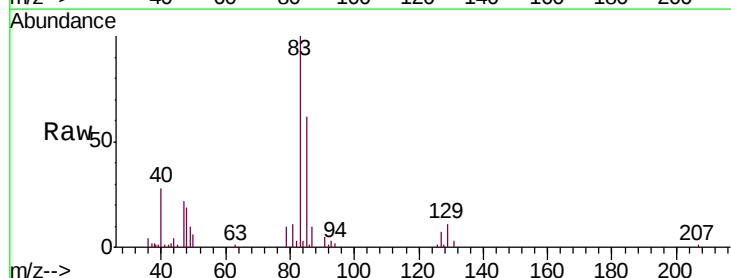
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.506

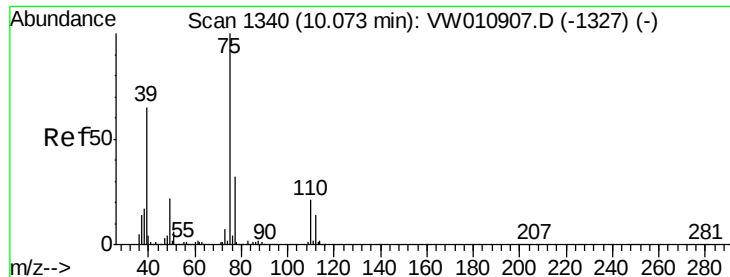
Tgt Ion: 63 Resp: 11860
 Ion Ratio Lower Upper
 63 100
 112 2.7 3.2 4.8#



#41
 Bromodichloromethane
 Concen: 1.897 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW010911.D
 Acq: 21 Jun 2019 23:50

Tgt Ion: 83 Resp: 12487
 Ion Ratio Lower Upper
 83 100
 85 62.5 43.8 81.4
 127 6.7 6.2 9.4





#42

cis-1,3-Dichloropropene

Concen: 1.716 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010911.D

Acq: 21 Jun 2019 23:50

Instrument :

MSVOA_W

ClientSampled :

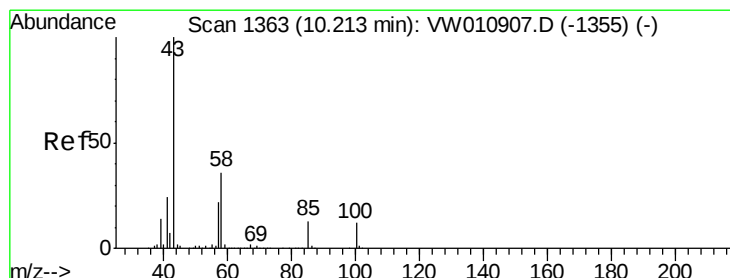
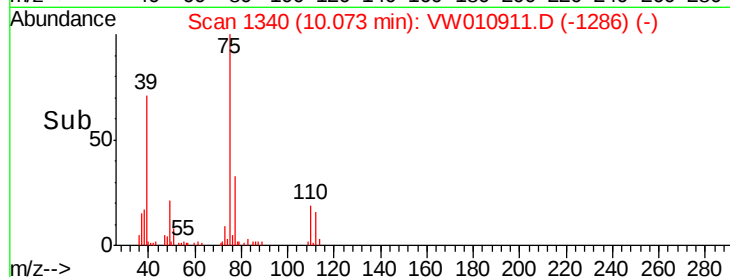
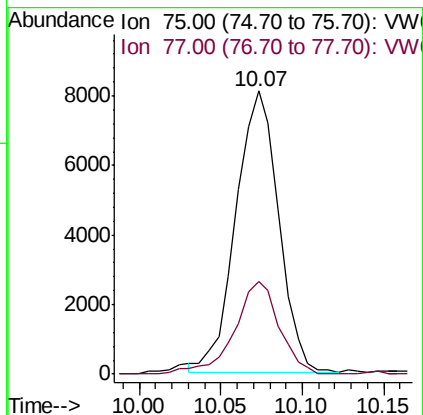
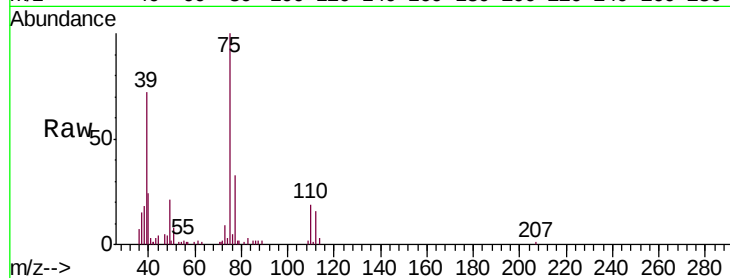
VSTD2.506

Tgt Ion: 75 Resp: 14737

Ion Ratio Lower Upper

75 100

77 32.7 22.3 41.5



#43

4-Methyl-2-pentanone

Concen: 3.956 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW010911.D

Acq: 21 Jun 2019 23:50

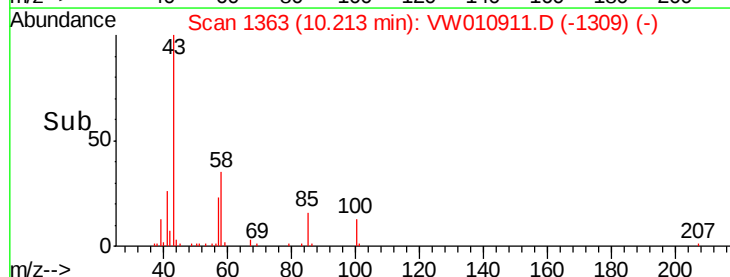
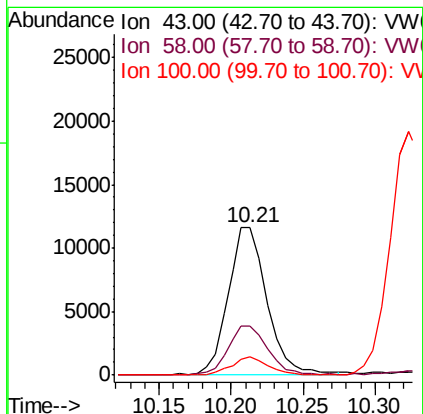
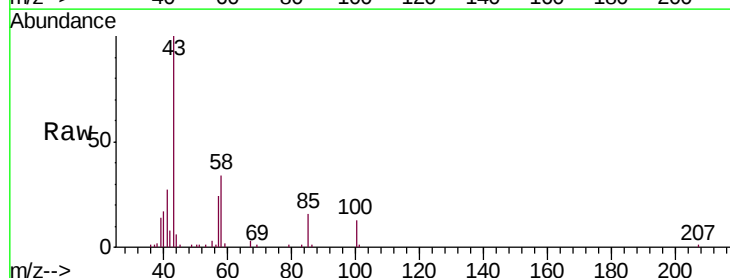
Tgt Ion: 43 Resp: 21554

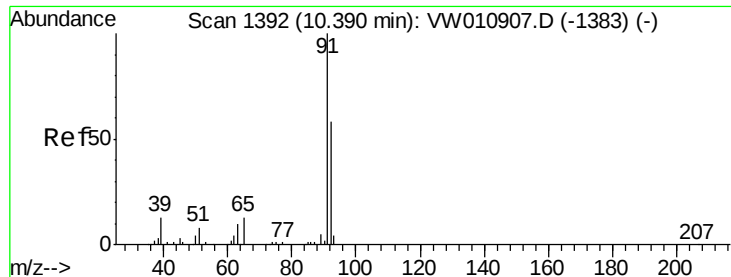
Ion Ratio Lower Upper

43 100

58 34.8 27.9 41.9

100 11.7 9.4 14.2





#44

Toluene

Concen: 2.045 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW010911.D

Acq: 21 Jun 2019 23:50

Instrument :

MSVOA_W

ClientSampleId :

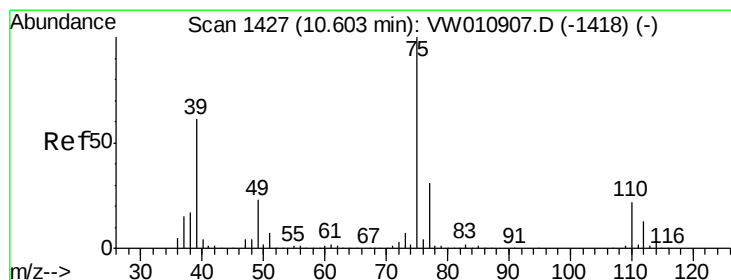
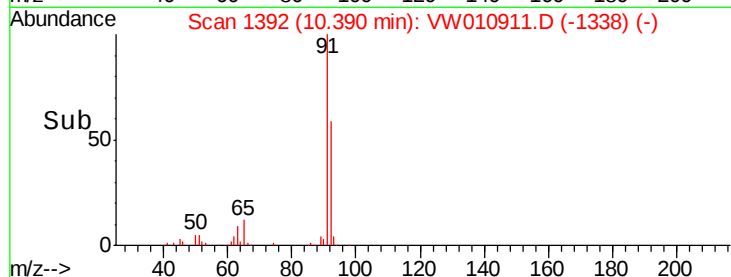
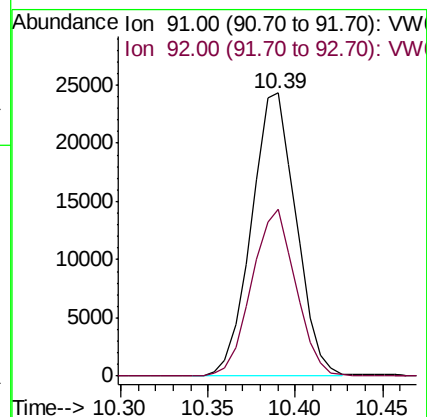
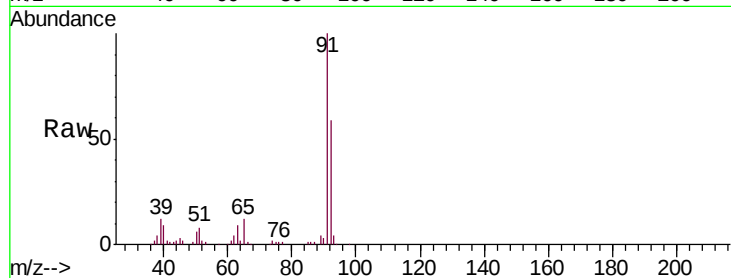
VSTD2.506

Tgt Ion: 91 Resp: 43234

Ion Ratio Lower Upper

91 100

92 59.2 40.5 75.3



#45

trans-1,3-Dichloropropene

Concen: 1.785 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010911.D

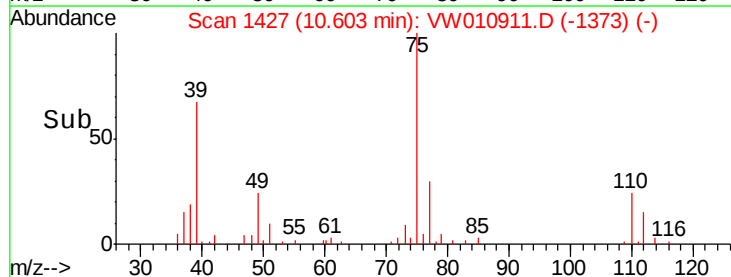
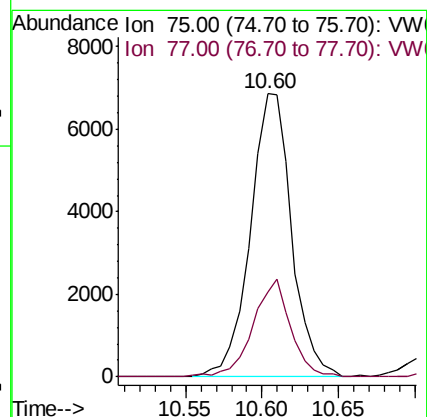
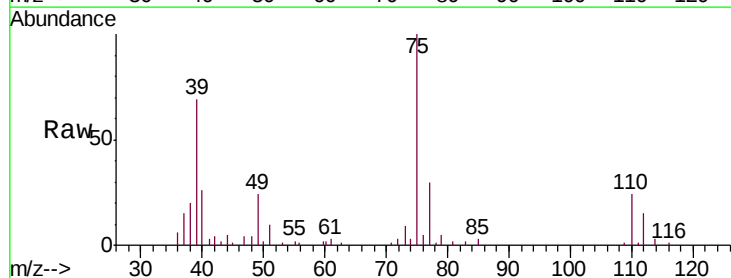
Acq: 21 Jun 2019 23:50

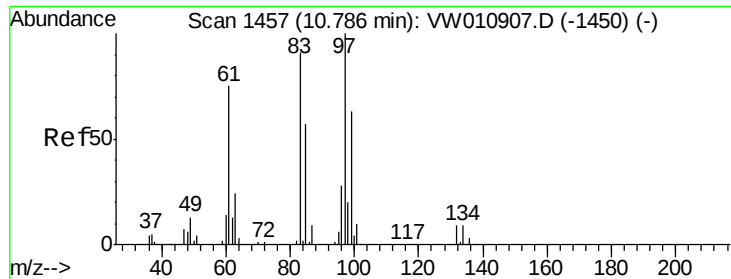
Tgt Ion: 75 Resp: 12868

Ion Ratio Lower Upper

75 100

77 29.8 21.5 39.9





#46

1,1,2-Trichloroethane

Concen: 2.003 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW010911.D

Acq: 21 Jun 2019 23:50

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.506

Tgt Ion: 97 Resp: 8010

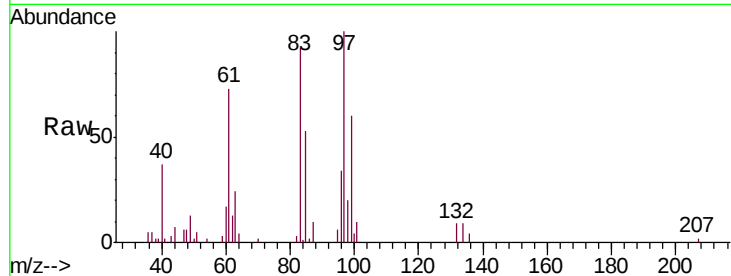
Ion Ratio Lower Upper

97 100

83 92.1 63.5 117.9

85 52.6 39.9 74.1

99 60.2 44.4 82.4



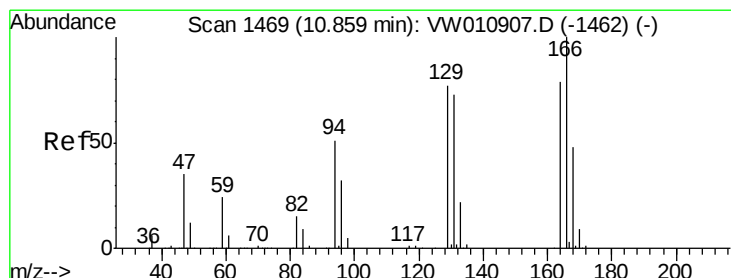
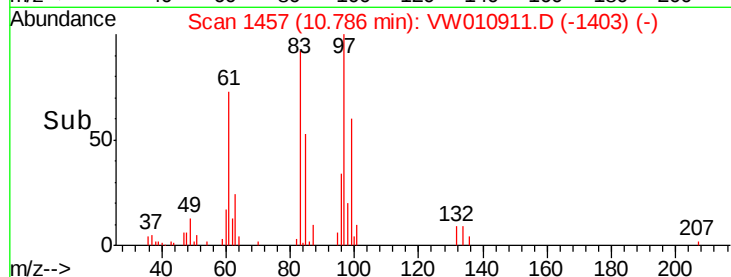
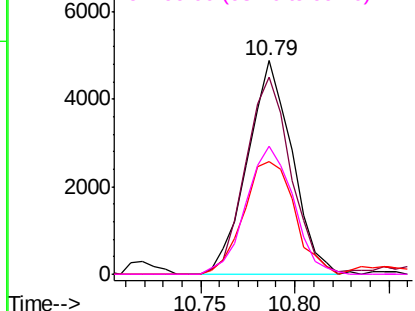
Abundance

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: 1.964 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW010911.D

Acq: 21 Jun 2019 23:50

Tgt Ion: 164 Resp: 7550

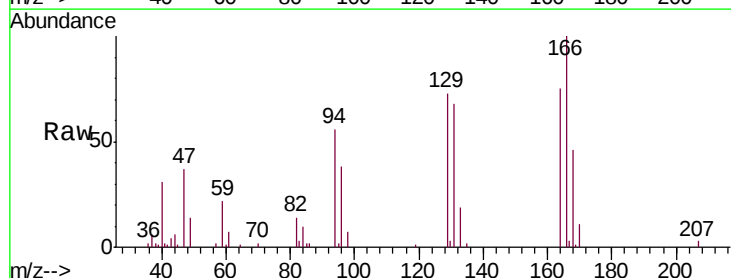
Ion Ratio Lower Upper

164 100

129 97.5 68.5 127.3

131 90.7 65.3 121.3

166 133.1 88.9 165.1



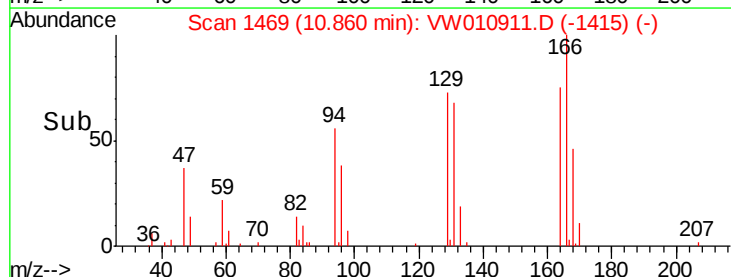
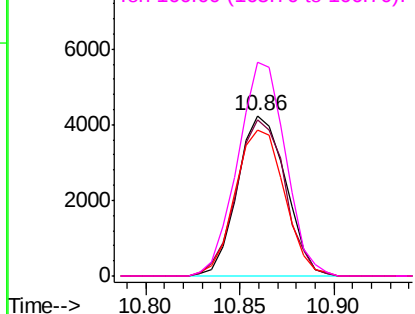
Abundance

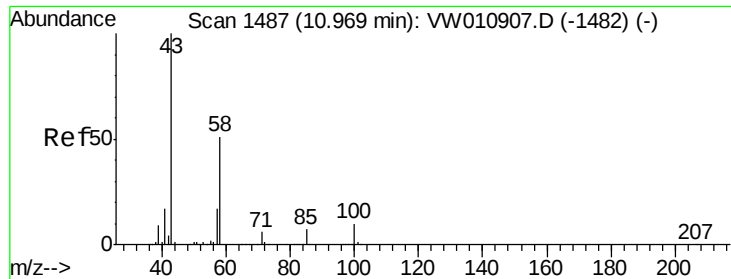
Ion 164.00 (163.70 to 164.70): V

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: 3.740 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW010911.D

Acq: 21 Jun 2019 23:50

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.506

Tgt Ion: 43 Resp: 14805

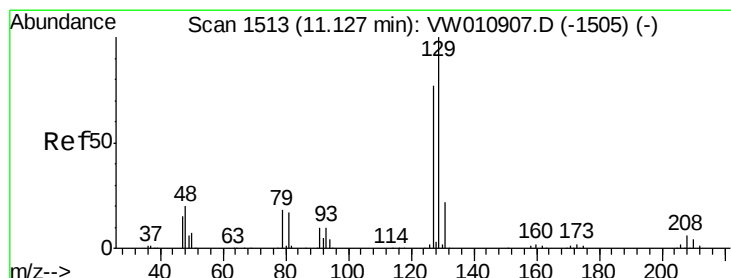
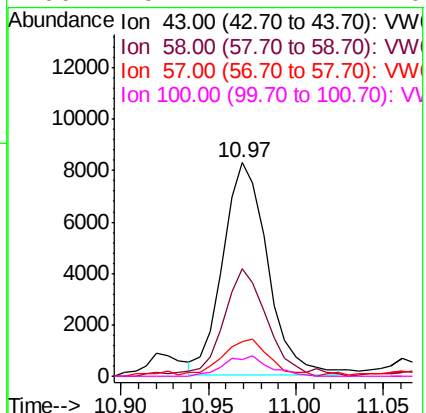
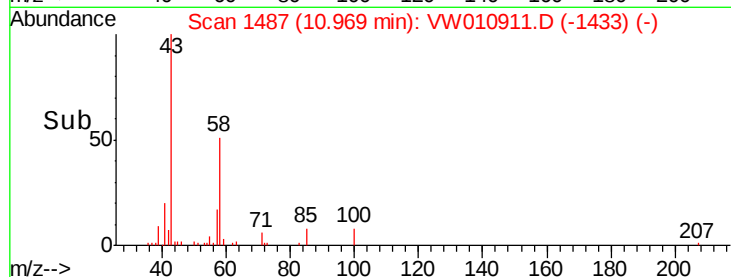
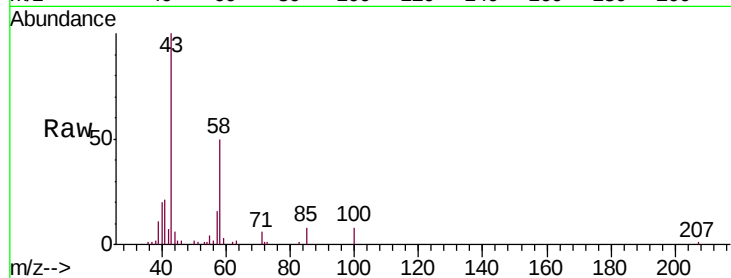
Ion Ratio Lower Upper

43 100

58 48.6 38.2 57.2

57 18.0 13.5 20.3

100 9.4 7.4 11.0



#50

Dibromochloromethane

Concen: 1.734 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW010911.D

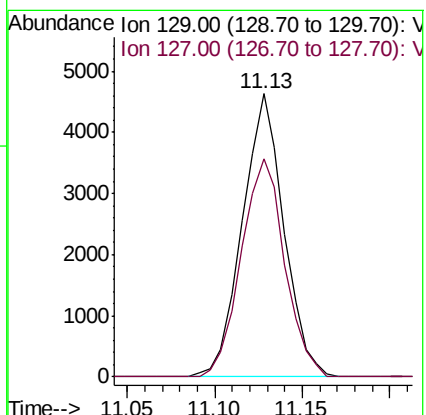
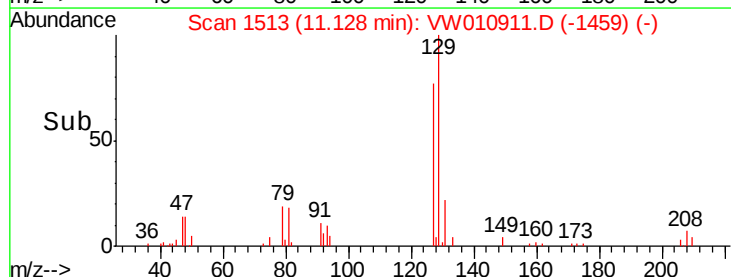
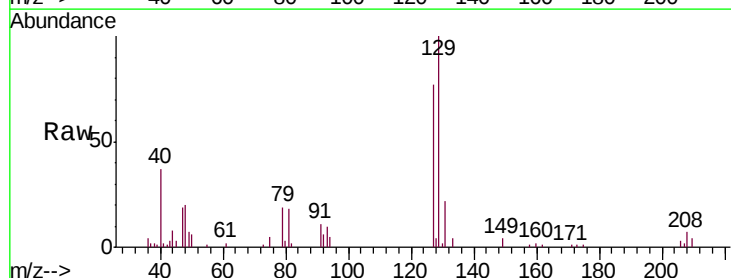
Acq: 21 Jun 2019 23:50

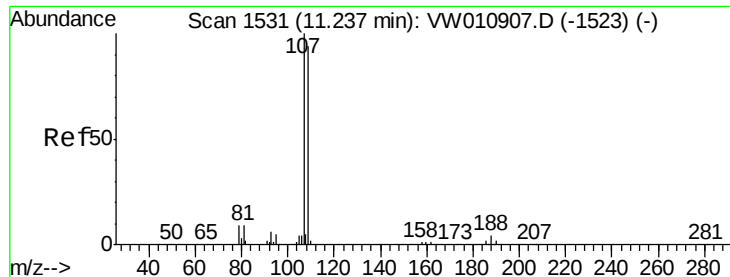
Tgt Ion: 129 Resp: 7634

Ion Ratio Lower Upper

129 100

127 76.9 53.5 99.5





#51

1,2-Dibromoethane

Concen: 2.094 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW010911.D

Acq: 21 Jun 2019 23:50

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.506

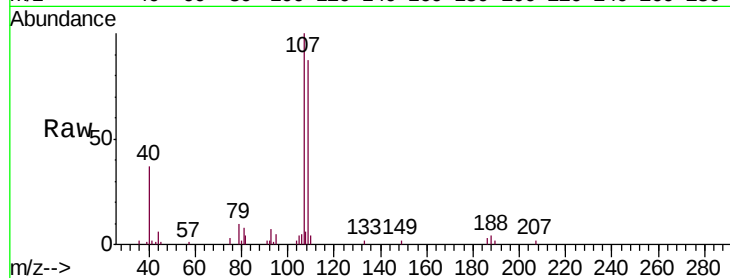
Tgt Ion:107 Resp: 8093

Ion Ratio Lower Upper

107 100

109 87.3 65.7 121.9

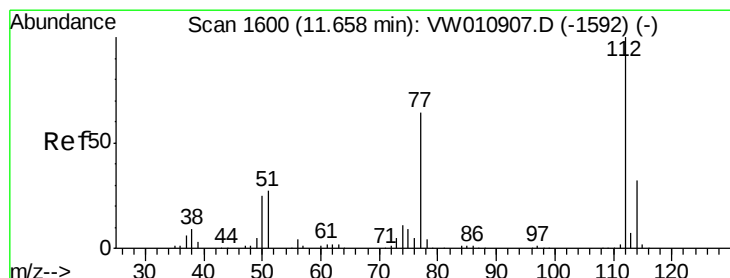
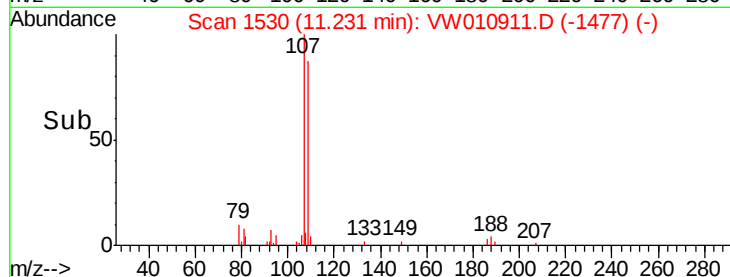
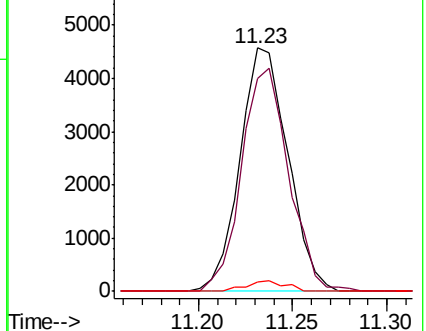
188 4.1 3.0 4.4



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: 2.120 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW010911.D

Acq: 21 Jun 2019 23:50

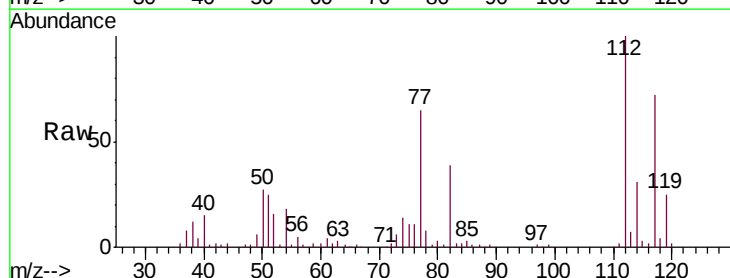
Tgt Ion:112 Resp: 27760

Ion Ratio Lower Upper

112 100

77 65.4 51.4 77.0

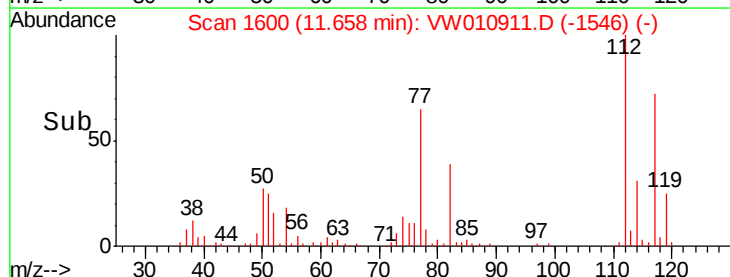
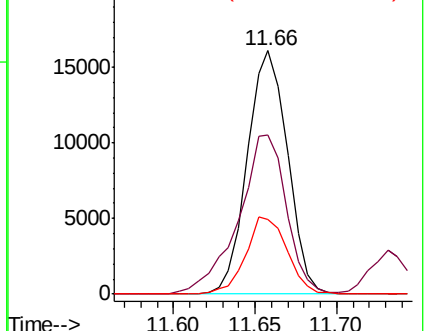
114 30.6 22.5 41.9

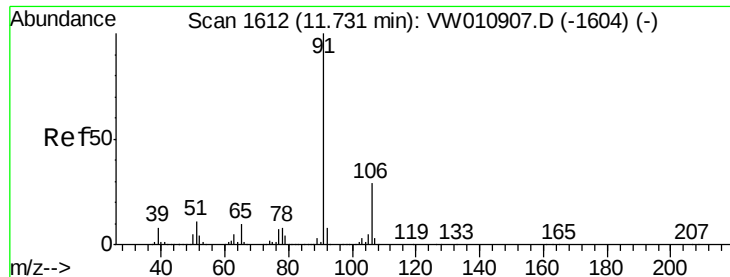


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 2.000 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW010911.D

Acq: 21 Jun 2019 23:50

Instrument :

MSVOA_W

ClientSampleId :

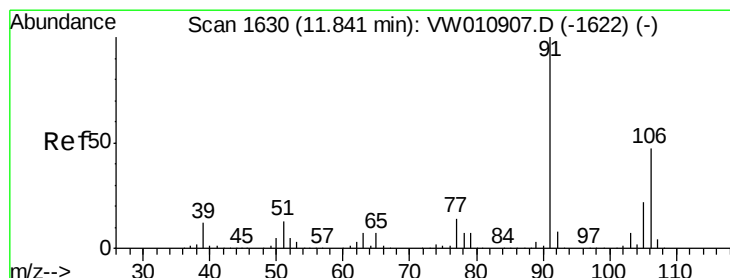
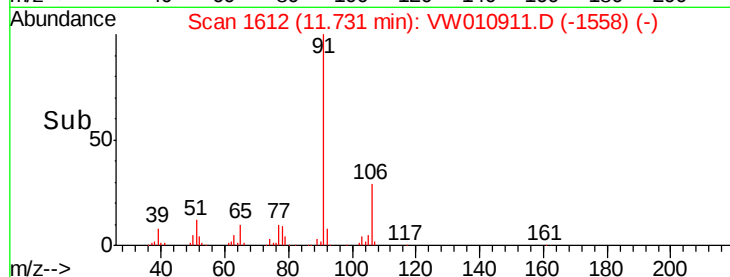
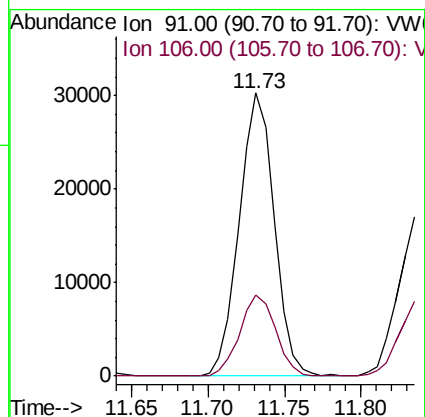
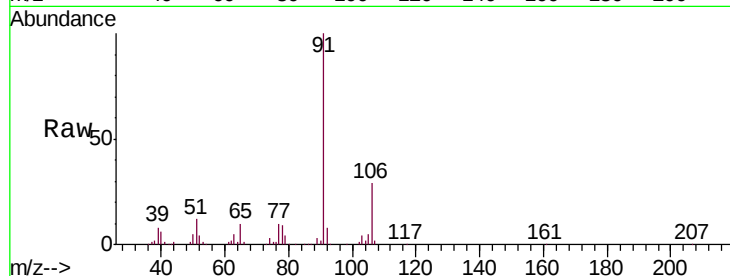
VSTD2.506

Tgt Ion: 91 Resp: 48101

Ion Ratio Lower Upper

91 100

106 28.5 20.6 38.2



#54

m,p-Xylene

Concen: 1.986 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW010911.D

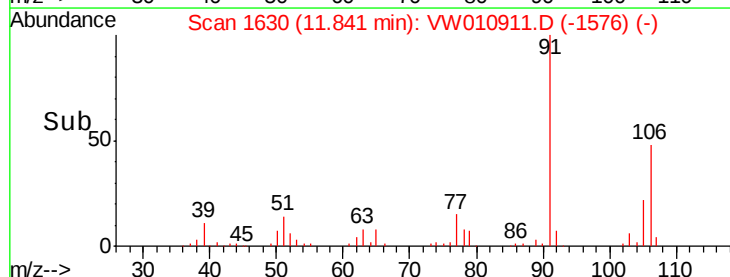
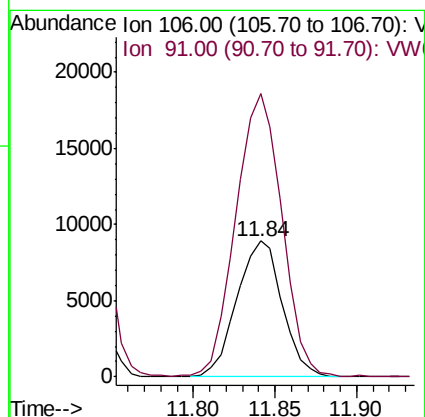
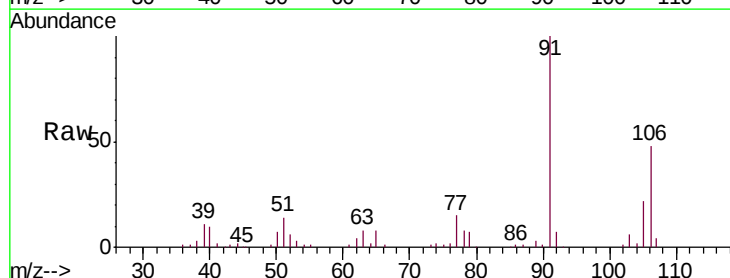
Acq: 21 Jun 2019 23:50

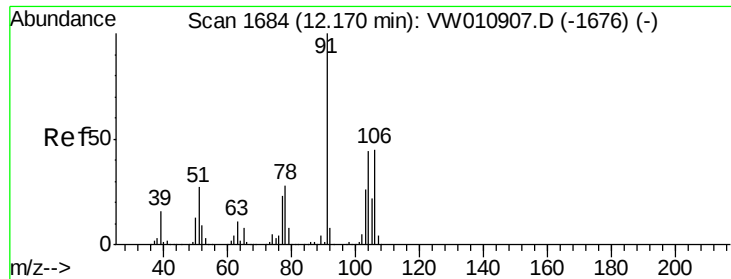
Tgt Ion: 106 Resp: 17281

Ion Ratio Lower Upper

106 100

91 208.0 148.3 275.3

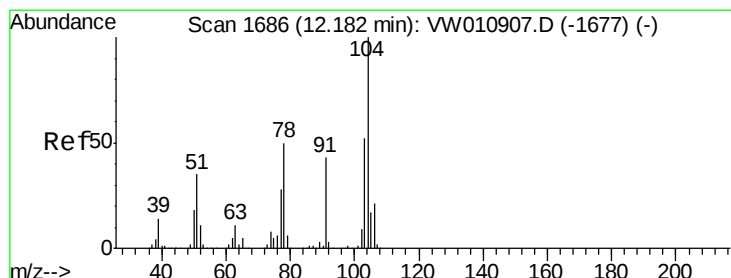
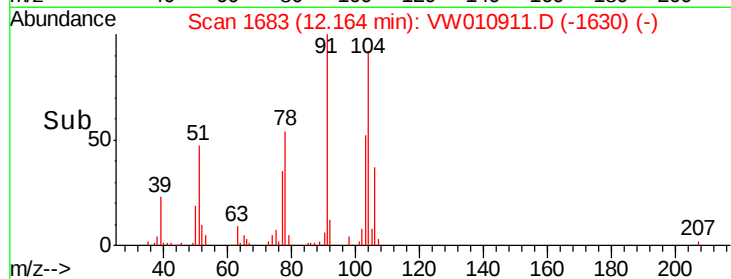
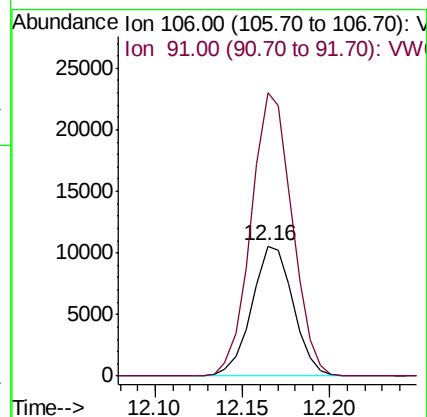
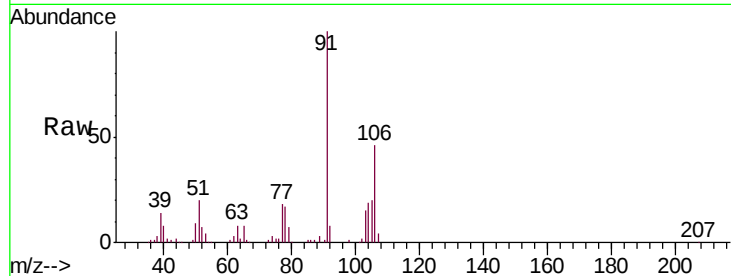




#55
o-xylene
Concen: 2.060 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010911.D
Acq: 21 Jun 2019 23:50

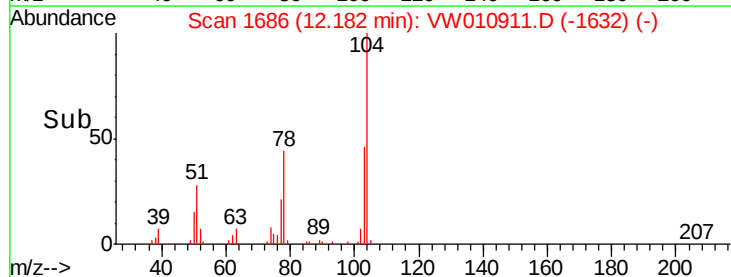
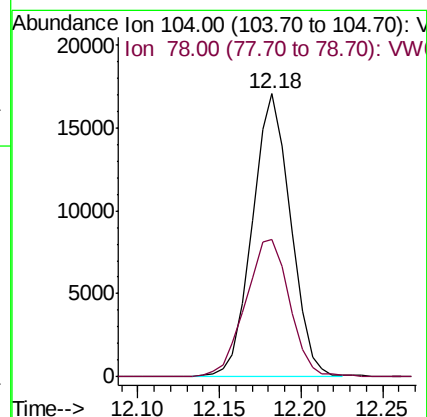
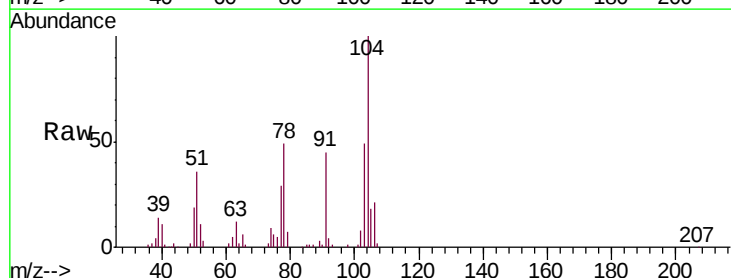
Instrument :
MSVOA_W
ClientSampled :
VSTD2.506

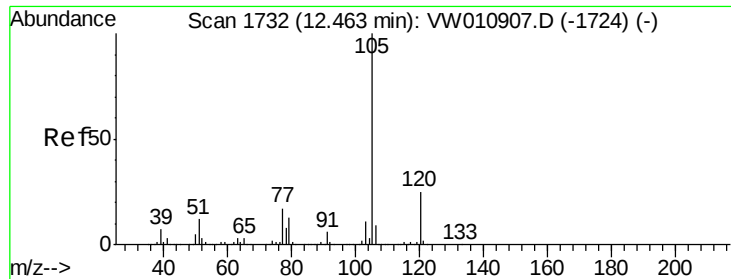
Tgt Ion:106 Resp: 17383
Ion Ratio Lower Upper
106 100
91 217.6 157.1 291.7



#56
Styrene
Concen: 1.899 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010911.D
Acq: 21 Jun 2019 23:50

Tgt Ion:104 Resp: 27891
Ion Ratio Lower Upper
104 100
78 48.5 34.8 64.6





#57

Isopropylbenzene

Concen: 1.910 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW010911.D

Acq: 21 Jun 2019 23:50

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.506

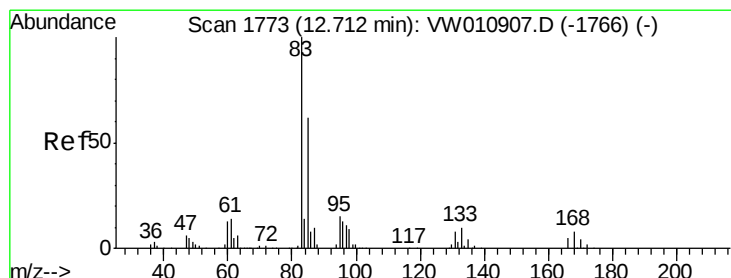
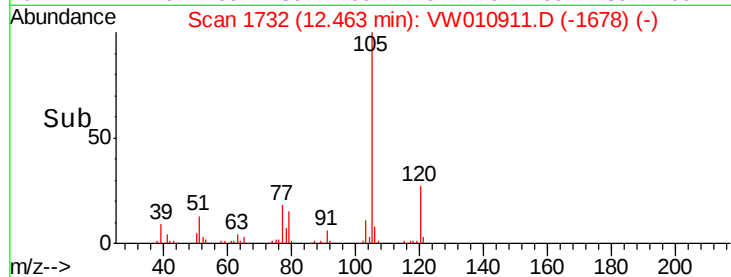
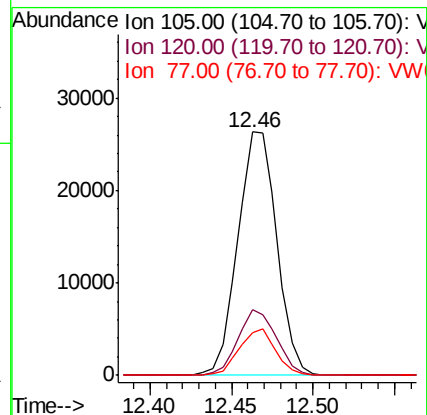
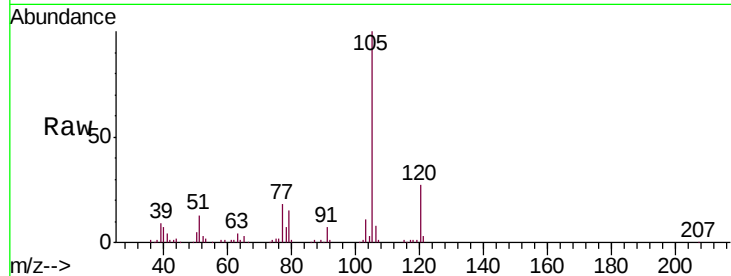
Tgt Ion: 105 Resp: 43799

Ion Ratio Lower Upper

105 100

120 26.6 20.3 30.5

77 17.7 13.6 20.4



#58

1,1,2,2-Tetrachloroethane

Concen: 1.946 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW010911.D

Acq: 21 Jun 2019 23:50

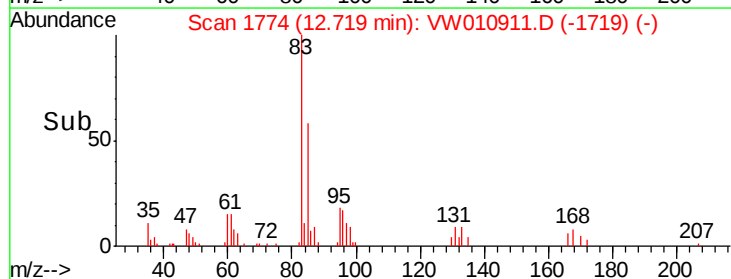
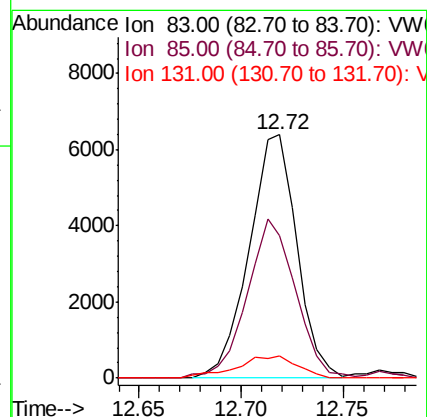
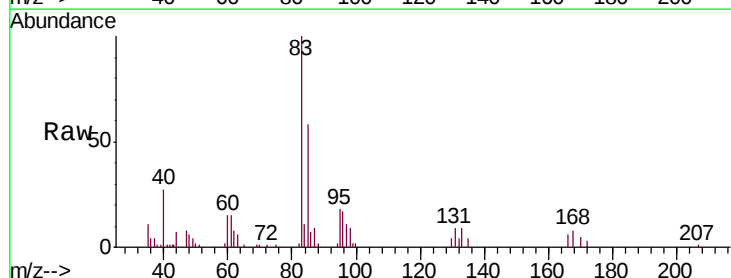
Tgt Ion: 83 Resp: 10424

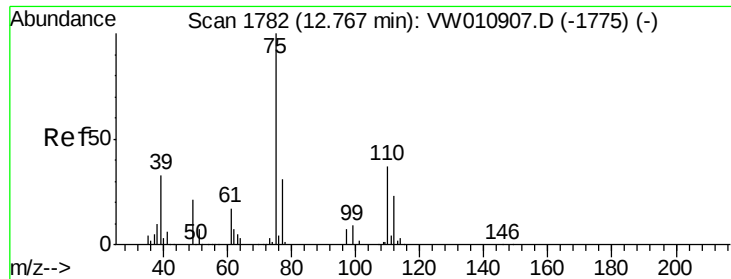
Ion Ratio Lower Upper

83 100

85 58.4 43.8 81.3

131 9.3 6.9 10.3





#59

1,2,3-Trichloropropane

Concen: 2.059 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW010911.D

Acq: 21 Jun 2019 23:50

Instrument :

MSVOA_W

ClientSampleId :

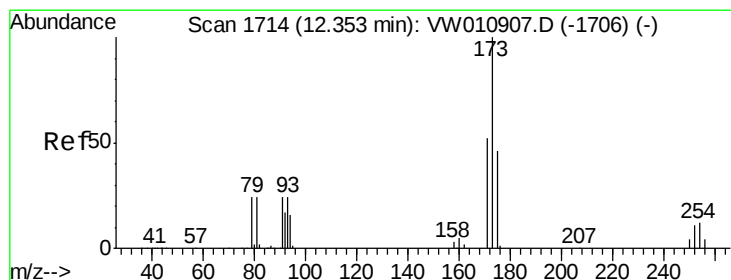
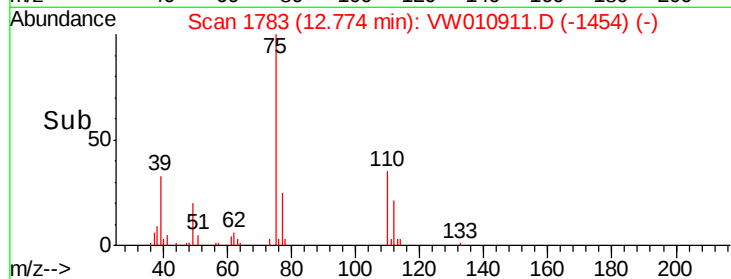
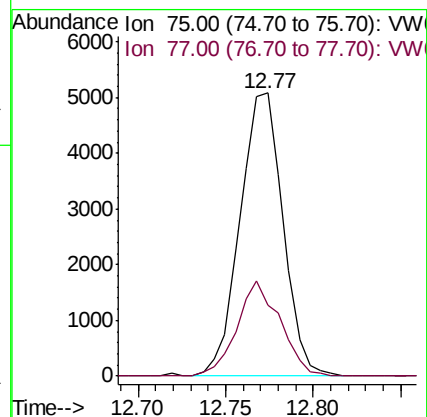
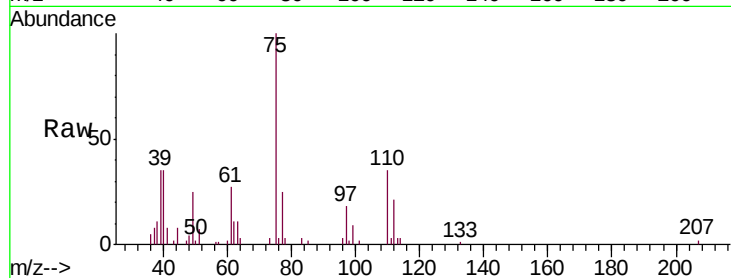
VSTD2.506

Tgt Ion: 75 Resp: 8710

Ion Ratio Lower Upper

75 100

77 33.6 25.4 38.2



#62

Bromoform

Concen: 1.721 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW010911.D

Acq: 21 Jun 2019 23:50

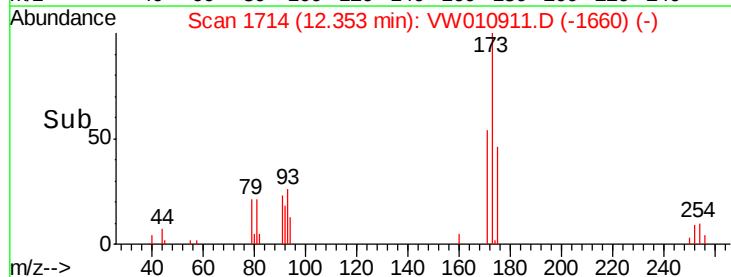
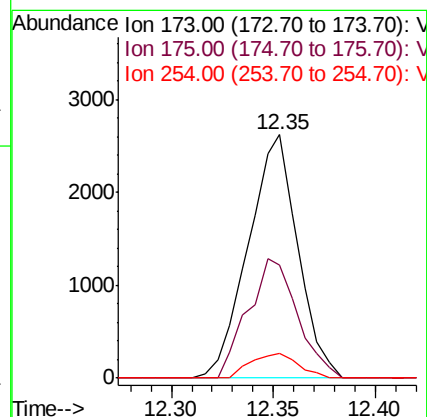
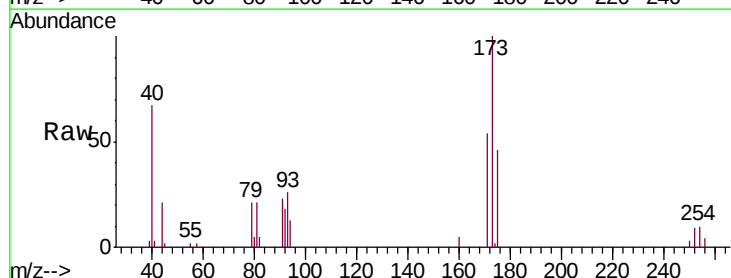
Tgt Ion: 173 Resp: 4427

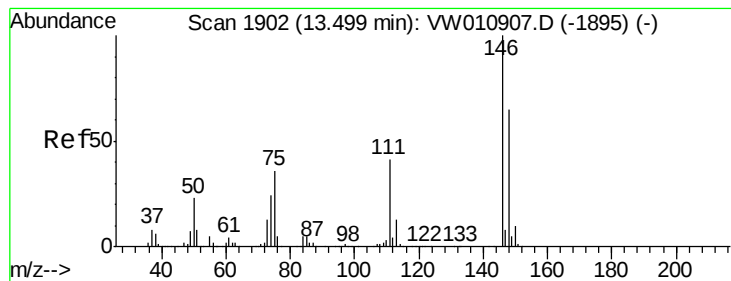
Ion Ratio Lower Upper

173 100

175 49.0 38.2 57.2

254 9.8 8.5 12.7





#63

1,3-Dichlorobenzene

Concen: 2.103 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010911.D

Acq: 21 Jun 2019 23:50

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.506

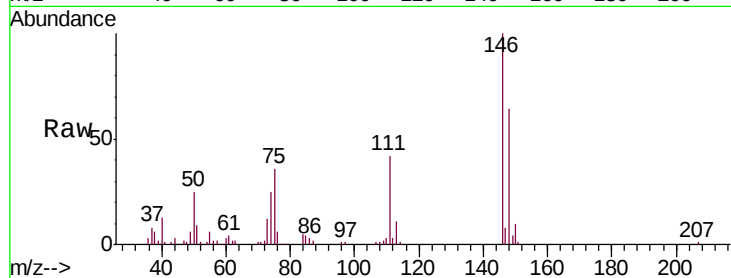
Tgt Ion:146 Resp: 20818

Ion Ratio Lower Upper

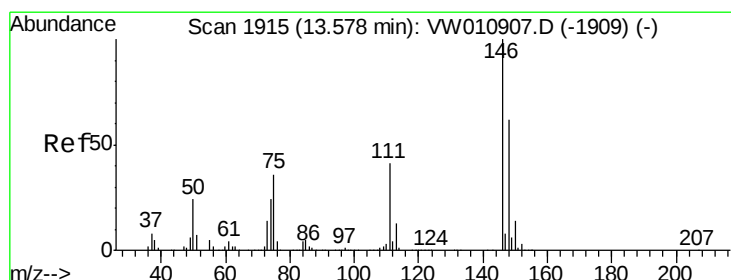
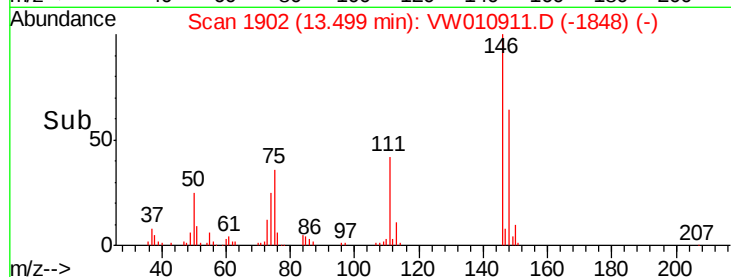
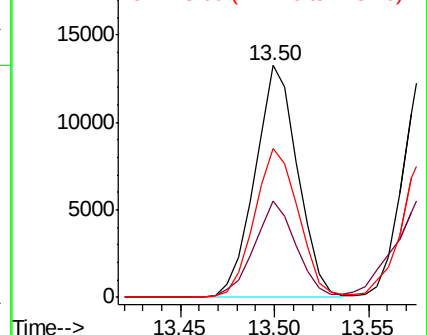
146 100

111 41.8 28.8 53.6

148 64.1 45.4 84.4



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 2.211 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW010911.D

Acq: 21 Jun 2019 23:50

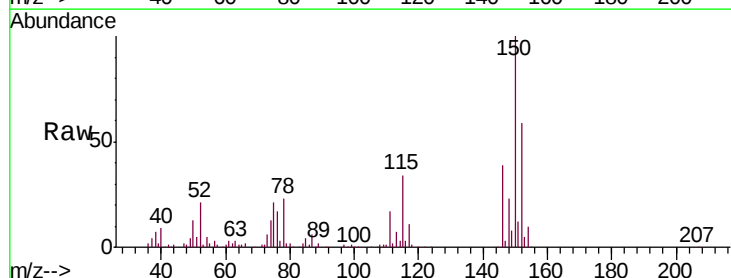
Tgt Ion:146 Resp: 22249

Ion Ratio Lower Upper

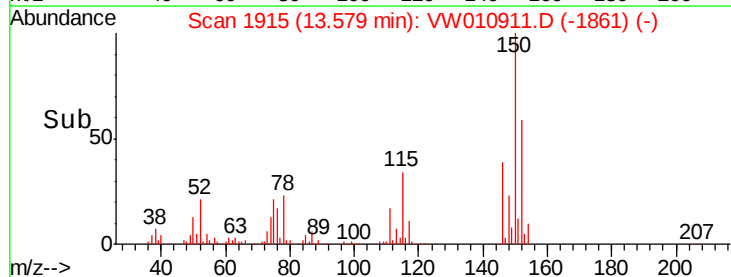
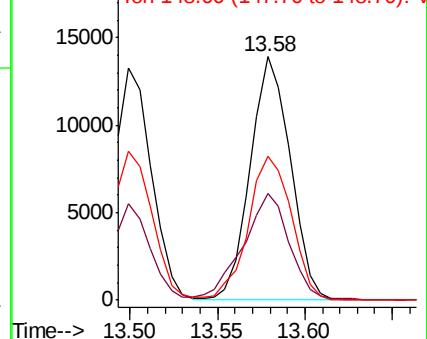
146 100

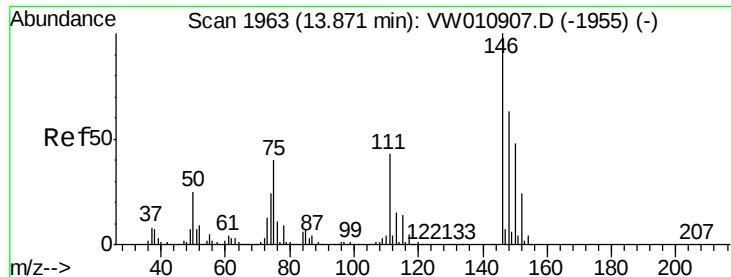
111 44.0 28.7 53.3

148 59.1 43.8 81.3



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

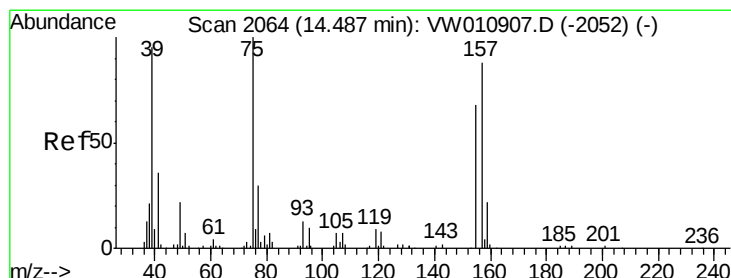
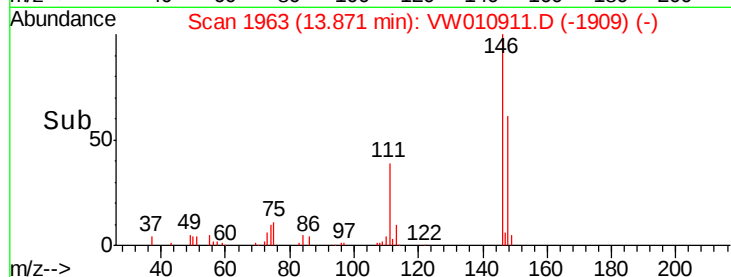
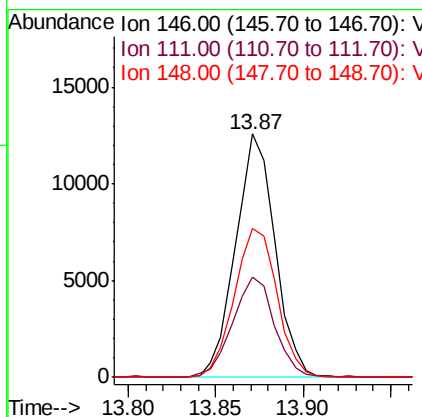
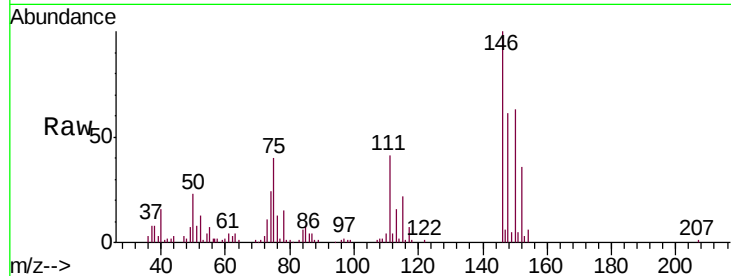




#65
 1,2-Dichlorobenzene
 Concen: 2.114 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010911.D
 Acq: 21 Jun 2019 23:50

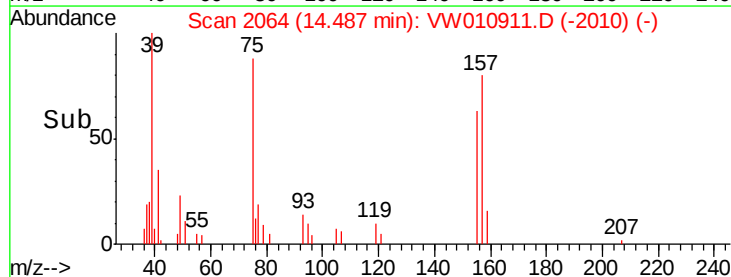
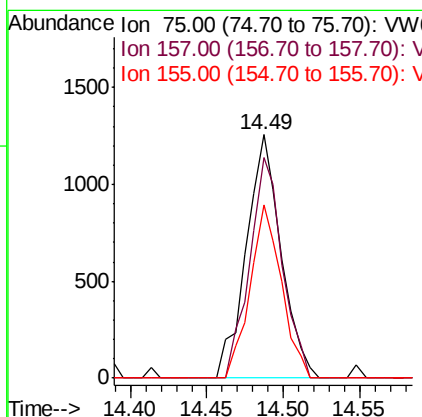
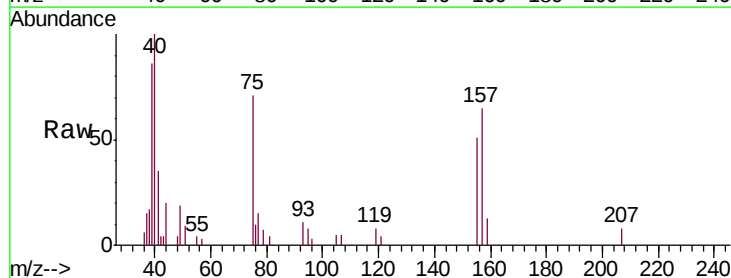
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.506

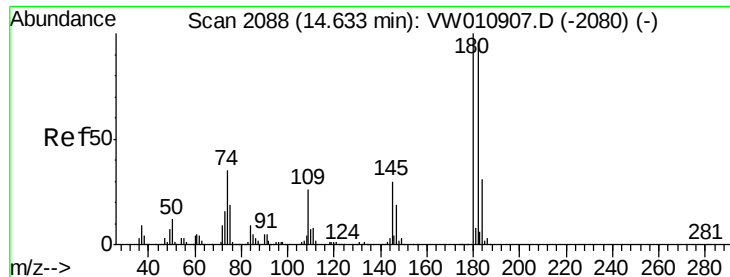
Tgt Ion: 146 Resp: 19705
 Ion Ratio Lower Upper
 146 100
 111 41.2 34.6 51.8
 148 61.3 50.6 76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.015 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010911.D
 Acq: 21 Jun 2019 23:50

Tgt Ion: 75 Resp: 1983
 Ion Ratio Lower Upper
 75 100
 157 90.8 70.1 105.1
 155 71.4 54.5 81.7

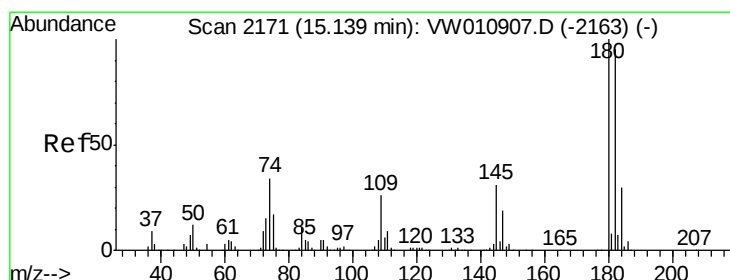
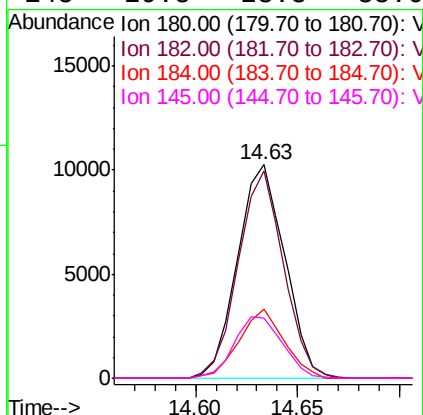
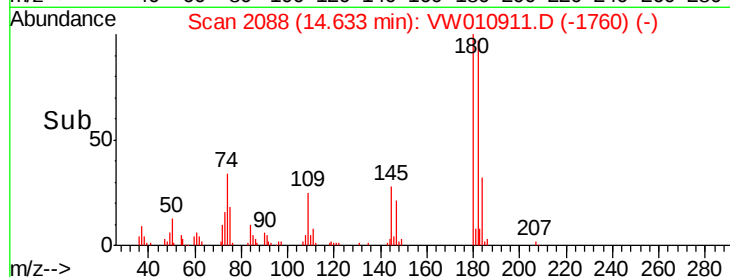
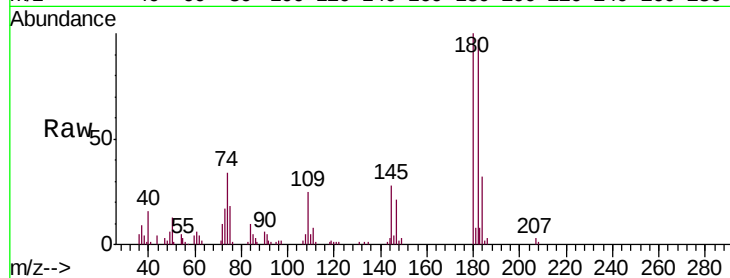




#67
 1,3,5-Trichlorobenzene
 Concen: 2.194 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW010911.D
 Acq: 21 Jun 2019 23:50

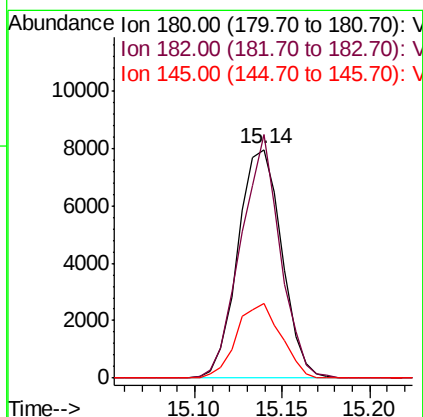
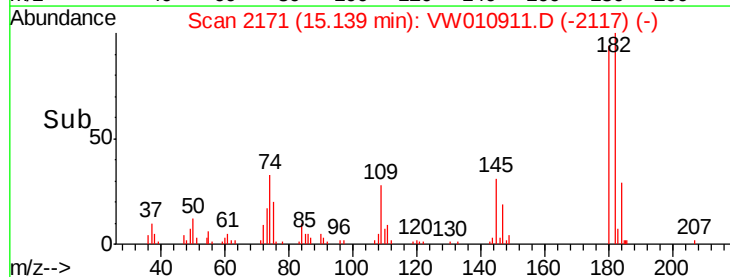
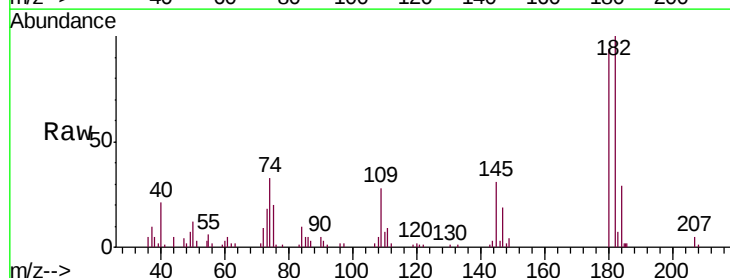
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.506

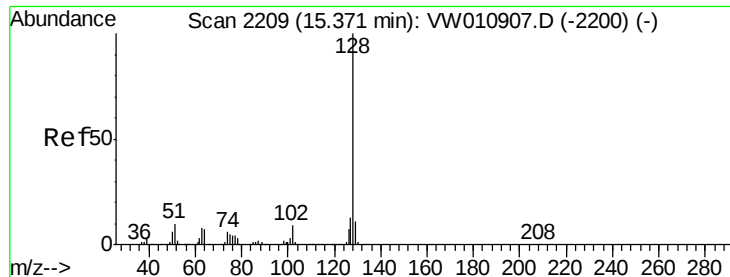
Tgt Ion:	180	Resp:	16505
Ion	Ratio	Lower	Upper
180	100		
182	93.3	75.8	113.8
184	30.8	24.2	36.2
145	29.8	23.8	35.6



#68
 1,2,4-trichlorobenzene
 Concen: 2.217 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010911.D
 Acq: 21 Jun 2019 23:50

Tgt Ion:	180	Resp:	13931
Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.6	114.8
145	33.2	24.4	36.6





#69

Naphthalene

Concen: 2.213 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW010911.D

Acq: 21 Jun 2019 23:50

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.506

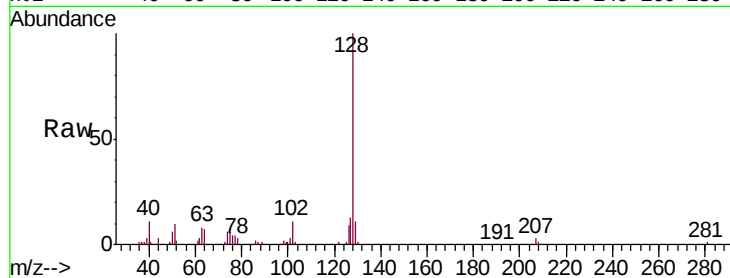
Tgt Ion:128 Resp: 29858

Ion Ratio Lower Upper

128 100

129 10.2 8.6 13.0

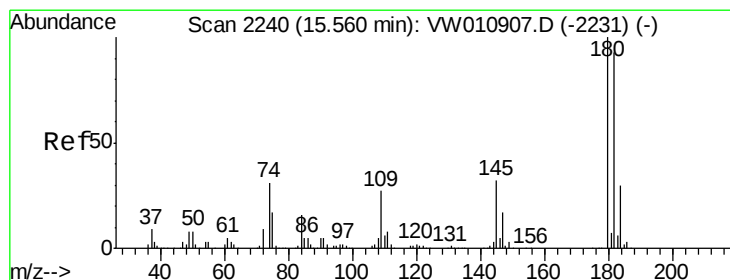
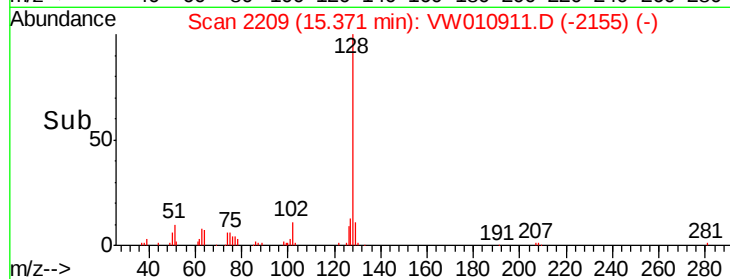
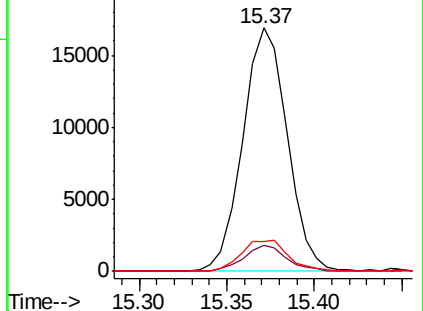
127 13.6 10.6 15.8



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: 2.318 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW010911.D

Acq: 21 Jun 2019 23:50

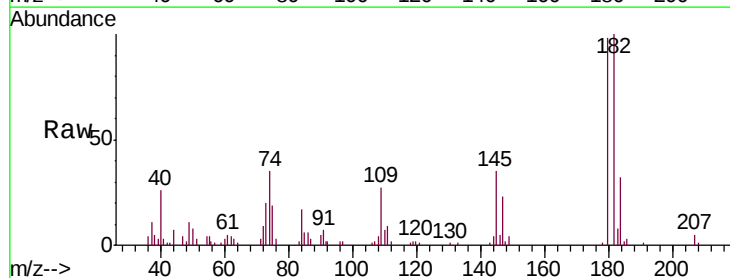
Tgt Ion:180 Resp: 13183

Ion Ratio Lower Upper

180 100

182 98.3 75.6 113.4

145 33.3 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

