

Data File : VW010907.D
Acq On : 21 Jun 2019 22:02
Operator : SY/VA
Sample : VSTD02503
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02503

Quant Time: Jun 22 05:36:02 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	347606	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	324193	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	161074	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	99790	20.17	ug/L	0.00
7) Chloroethane-d5	2.88	69	81644	21.56	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	234499	22.46	ug/L	0.00
20) 2-Butanone-d5	7.07	46	115427	54.91	ug/L	0.00
24) Chloroform-d	7.65	84	233043	30.77	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.30	65	152033	25.67	ug/L	0.00
29) Benzene-d6	8.27	84	464914	23.99	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	156756	25.03	ug/L	0.00
37) Toluene-d8	10.32	98	423105	24.26	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	67884	24.40	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	75474	50.42	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	139334	26.06	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	148039	24.12	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	117440	21.773 ug/L	100
3) Chloromethane	2.21	50	130089	21.636 ug/L	100
5) Vinyl chloride	2.36	62	142680	25.017 ug/L	100
6) Bromomethane	2.77	94	74617	28.159 ug/L	100
8) Chloroethane	2.92	64	80157	24.276 ug/L	100
9) Trichlorofluoromethane	3.24	101	42211	6.630 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	113675	25.456 ug/L	100
12) 1,1-Dichloroethene	4.04	96	112243	26.928 ug/L	100
13) Acetone	4.12	43	86652	41.864 ug/L	100
14) Carbon disulfide	4.38	76	323102	26.292 ug/L	100
15) Methyl Acetate	4.67	43	99886	27.925 ug/L	100
16) Methylene chloride	4.92	84	133104	26.969 ug/L	100
17) Methyl tert-butyl Ether	5.42	73	198795	16.077 ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	120763	26.244 ug/L	100
19) 1,1-Dichloroethane	6.21	63	247359	25.942 ug/L	100
21) 2-Butanone	7.16	43	138230	46.966 ug/L	100
22) cis-1,2-Dichloroethene	7.16	96	134482	25.859 ug/L	100
23) Bromochloromethane	7.51	128	58818	27.159 ug/L	100
25) Chloroform	7.67	83	235444	22.146 ug/L	100
27) 1,2-Dichloroethane	8.40	62	191052	26.948 ug/L	100
30) Cyclohexane	7.95	56	247024	25.268 ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	161774	21.545 ug/L	100
32) Carbon tetrachloride	8.07	117	149684	23.468 ug/L	100
34) Benzene	8.32	78	525557	25.956 ug/L	100
35) Trichloroethene	9.09	95	130993	25.341 ug/L	100
36) Methylcyclohexane	9.34	83	231157	25.196 ug/L	100
40) 1,2-Dichloropropane	9.37	63	148625	26.362 ug/L	100
41) Bromodichloromethane	9.65	83	172863	26.182 ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	225155	26.140 ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	296182	54.183 ug/L	100

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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)
44) Toluene	10.39	91	550626	25.958	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	189883	26.263	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	105226	26.231	ug/L	100
47) Tetrachloroethene	10.86	164	95746	24.825	ug/L	100
49) 2-Hexanone	10.97	43	205757	51.809	ug/L	100
50) Dibromochloromethane	11.13	129	114680	25.960	ug/L	100
51) 1,2-Dibromoethane	11.24	107	103277	26.631	ug/L	100
52) Chlorobenzene	11.66	112	333873	25.416	ug/L	100
53) Ethylbenzene	11.73	91	614466	25.469	ug/L	100
54) m,p-Xylene	11.84	106	224130	25.670	ug/L	100
55) o-xylene	12.17	106	219827	25.973	ug/L	100
56) Styrene	12.18	104	385398	26.164	ug/L	100
57) Isopropylbenzene	12.46	105	580971	25.254	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	142137	26.450	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	110978	26.151	ug/L	100
62) Bromoform	12.35	173	65243	24.222	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	255393	24.640	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	263018	24.953	ug/L	100
65) 1,2-Dichlorobenzene	13.87	146	247170	25.319	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.49	75	26248	25.464	ug/L	100
67) 1,3,5-Trichlorobenzene	14.63	180	196027	24.887	ug/L	100
68) 1,2,4-trichlorobenzene	15.14	180	169390	25.745	ug/L	100
69) Naphthalene	15.37	128	398200	28.188	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	159319	26.745	ug/L	100

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

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ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_W
ClientSampleId :
VSTD02503

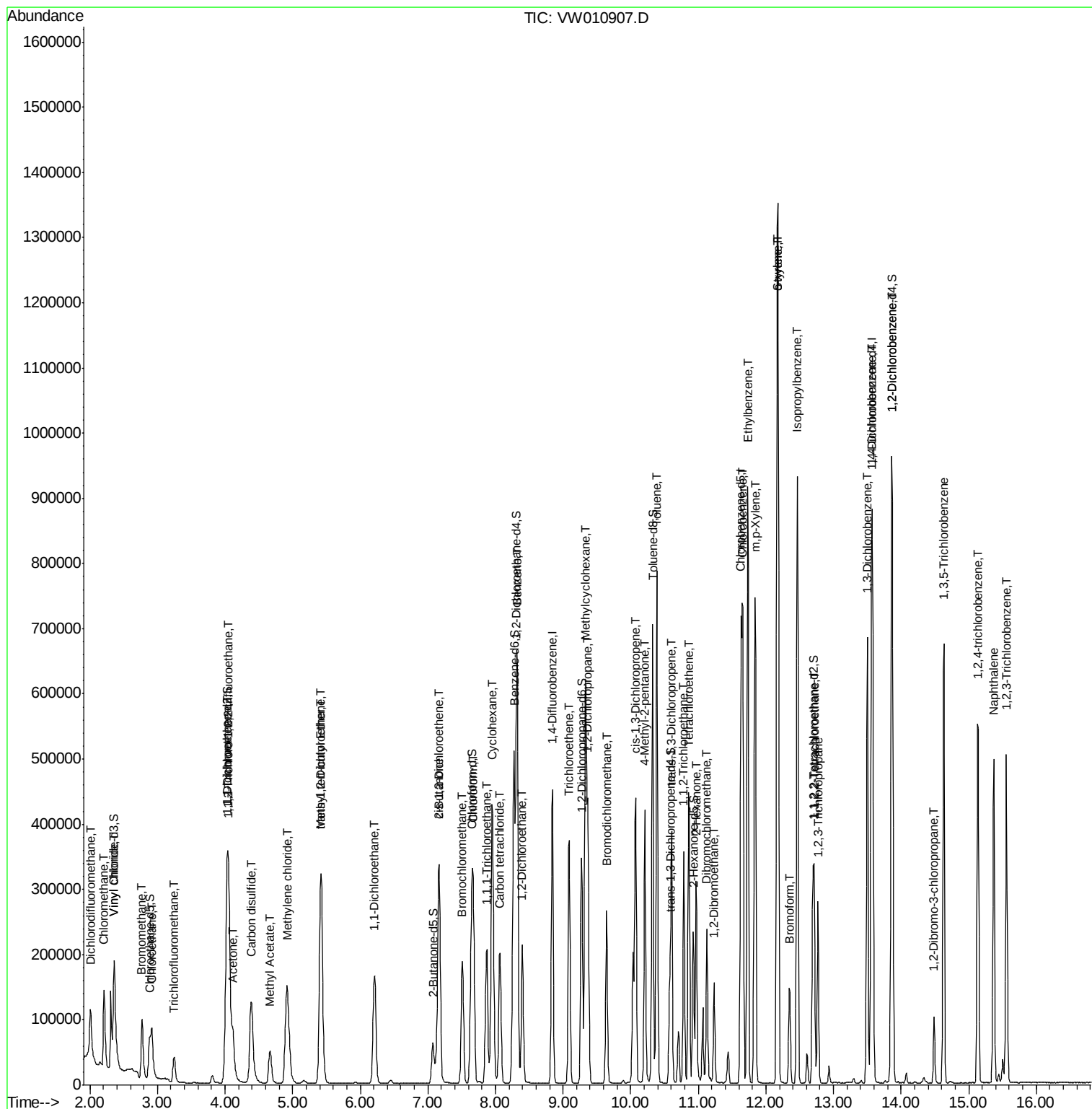
Quant Time: Jun 22 05:36:02 2019

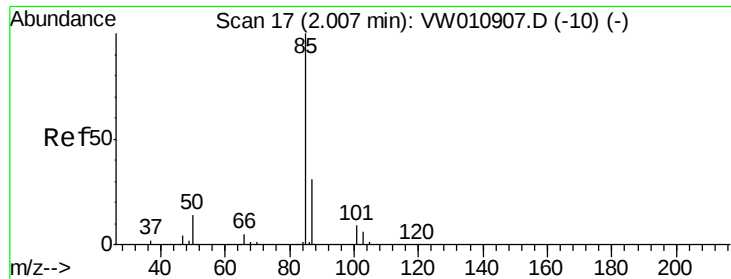
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062119S.M

Quant Title : VOC Analysis

QLast Update : Sat Jun 22 05:32:32 2019

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#2

Dichlorodifluoromethane

Concen: 21.773 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW010907.D

Acq: 21 Jun 2019 22:02

Instrument :

MSVOA_W

ClientSampleId :

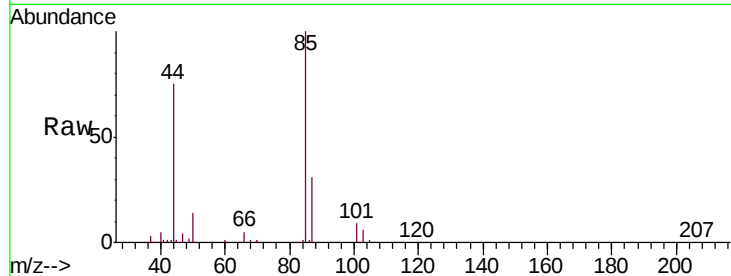
VSTD02503

Tgt Ion: 85 Resp: 117440

Ion Ratio Lower Upper

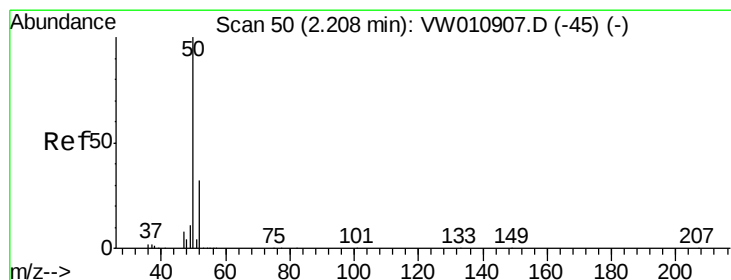
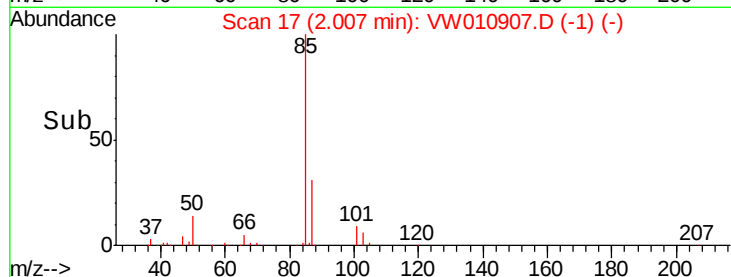
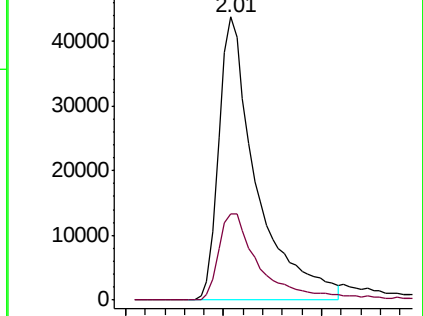
85 100

87 33.4 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: 21.636 ug/L

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW010907.D

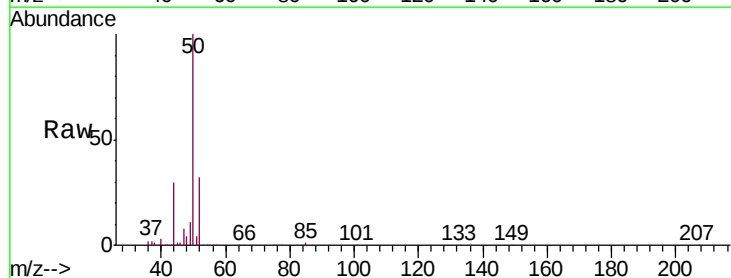
Acq: 21 Jun 2019 22:02

Tgt Ion: 50 Resp: 130089

Ion Ratio Lower Upper

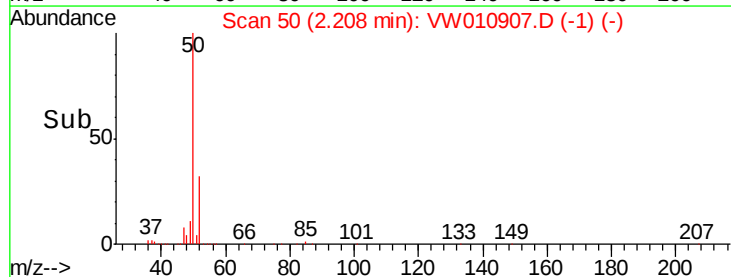
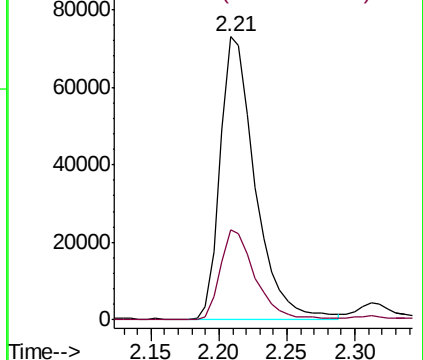
50 100

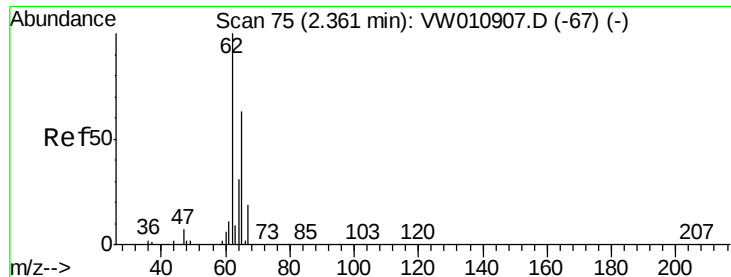
52 31.7 22.2 41.2



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 25.017 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW010907.D

Acq: 21 Jun 2019 22:02

Instrument :

MSVOA_W

ClientSampleId :

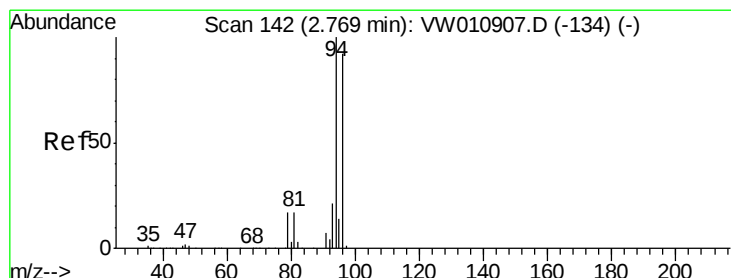
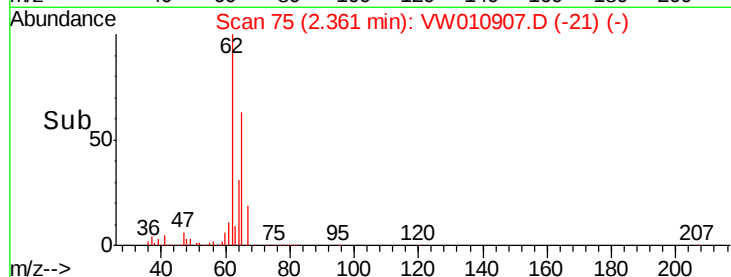
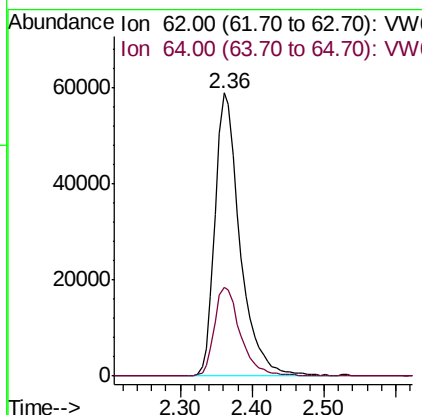
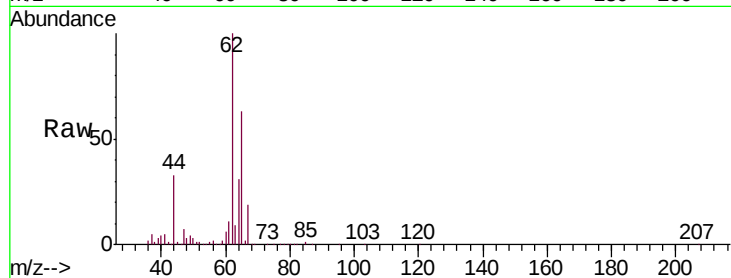
VSTD02503

Tgt Ion: 62 Resp: 142680

Ion Ratio Lower Upper

62 100

64 31.2 21.8 40.6



#6

Bromomethane

Concen: 28.159 ug/L

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW010907.D

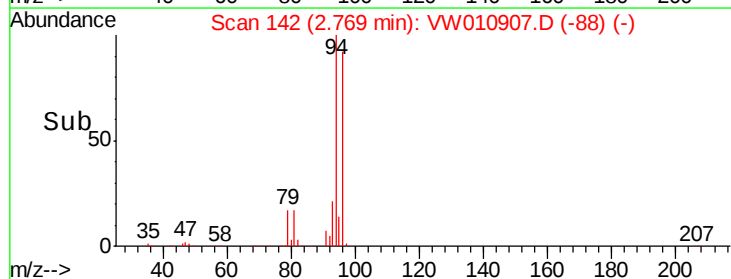
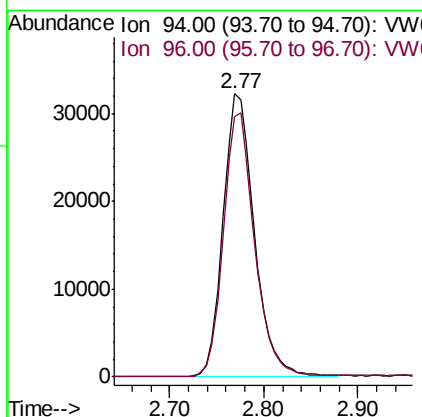
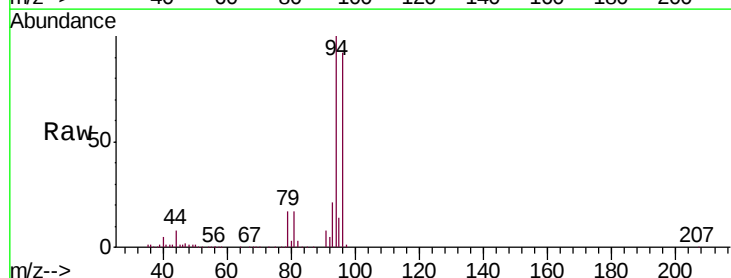
Acq: 21 Jun 2019 22:02

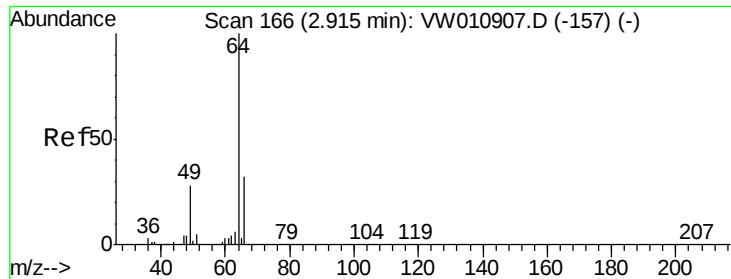
Tgt Ion: 94 Resp: 74617

Ion Ratio Lower Upper

94 100

96 92.4 9.2 175.6

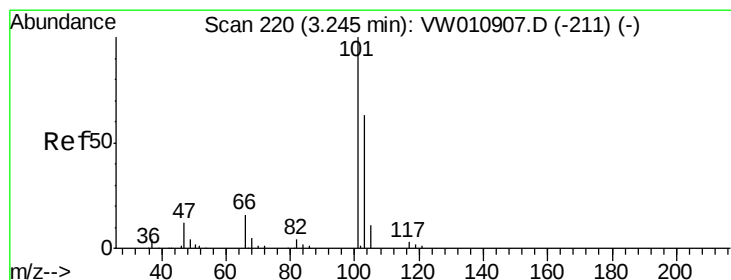
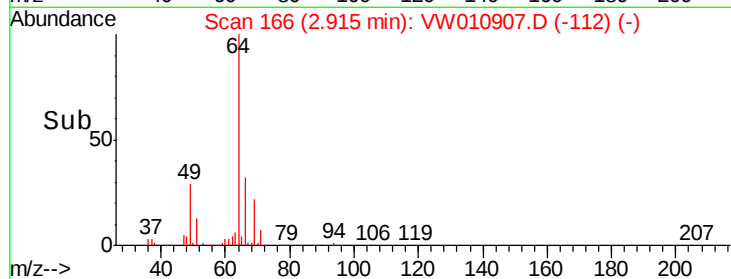
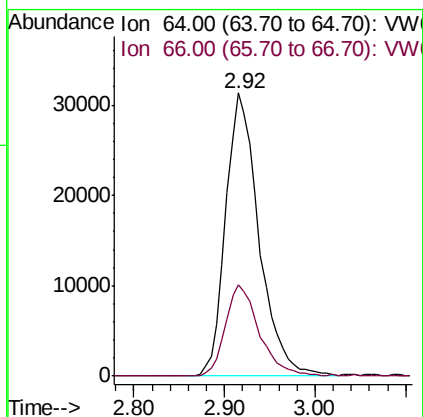
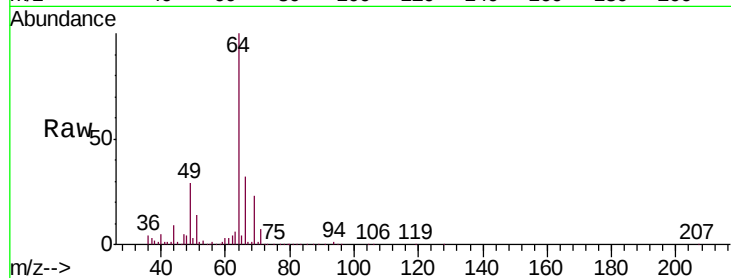




#8
Chloroethane
Concen: 24.276 ug/L
RT: 2.92 min Scan# 166
Delta R.T. 0.00 min
Lab File: VW010907.D
Acq: 21 Jun 2019 22:02

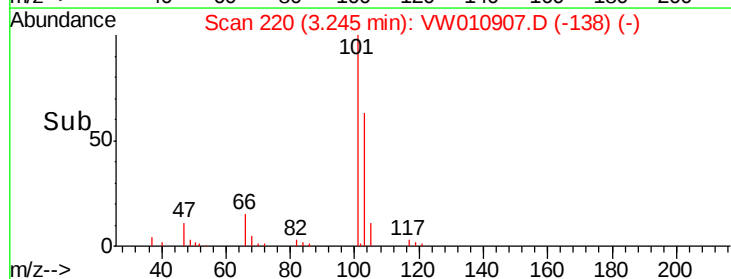
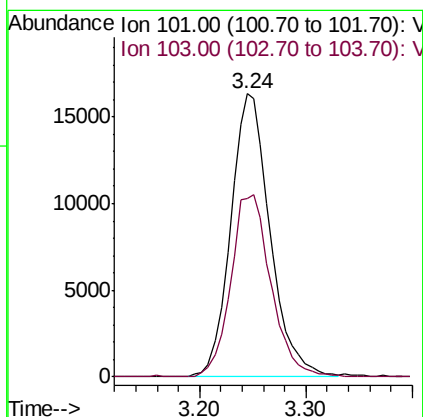
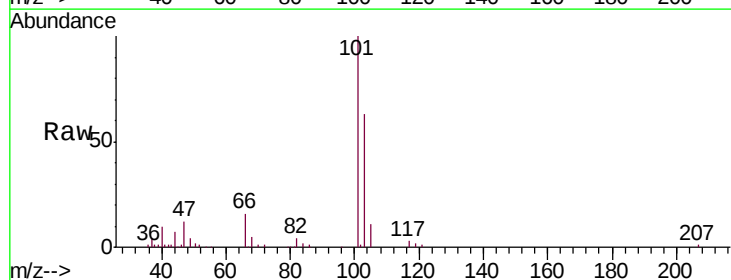
Instrument :
MSVOA_W
ClientSampleId :
VSTD02503

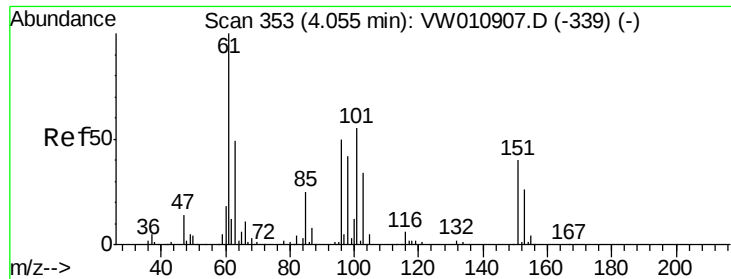
Tgt Ion: 64 Resp: 80157
Ion Ratio Lower Upper
64 100
66 32.3 22.6 42.0



#9
Trichlorofluoromethane
Concen: 6.630 ug/L
RT: 3.24 min Scan# 220
Delta R.T. 0.00 min
Lab File: VW010907.D
Acq: 21 Jun 2019 22:02

Tgt Ion: 101 Resp: 42211
Ion Ratio Lower Upper
101 100
103 65.8 46.1 85.5





#11

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

Concen: 25.456 ug/L

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW010907.D

Acq: 21 Jun 2019 22:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

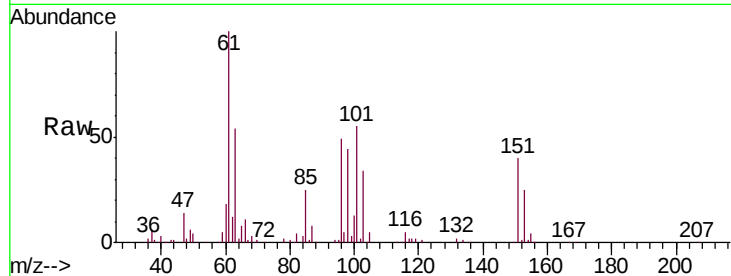
Tgt Ion: 101 Resp: 113675

Ion Ratio Lower Upper

101 100

85 45.6 36.5 54.7

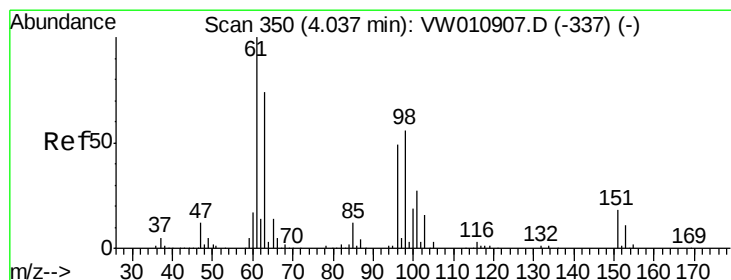
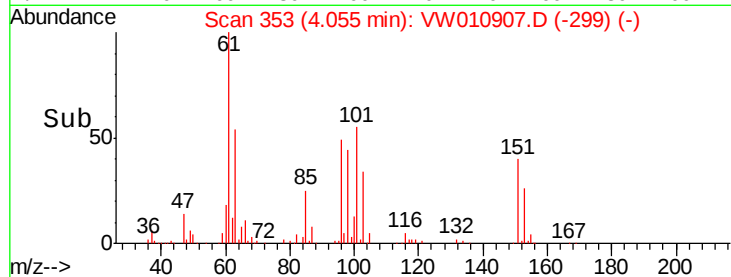
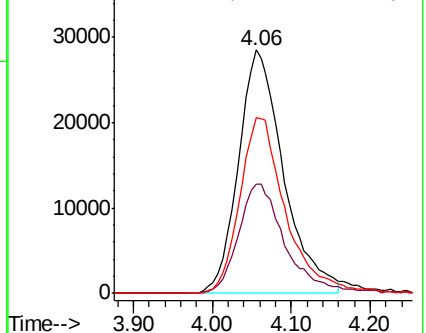
151 73.3 58.6 88.0



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: 26.928 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW010907.D

Acq: 21 Jun 2019 22:02

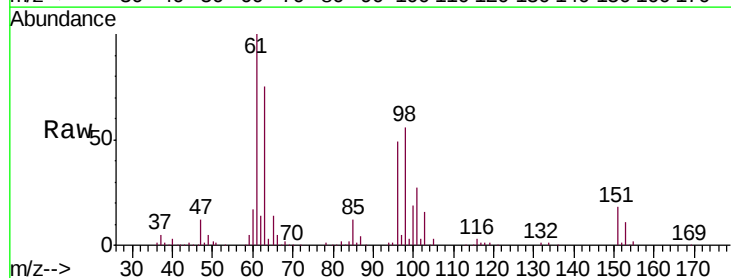
Tgt Ion: 96 Resp: 112243

Ion Ratio Lower Upper

96 100

61 206.1 144.3 267.9

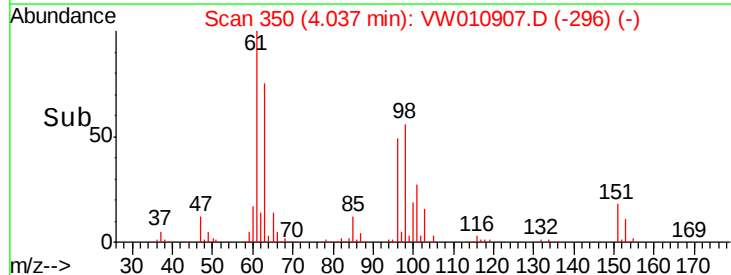
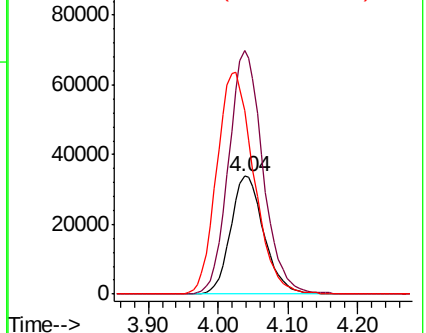
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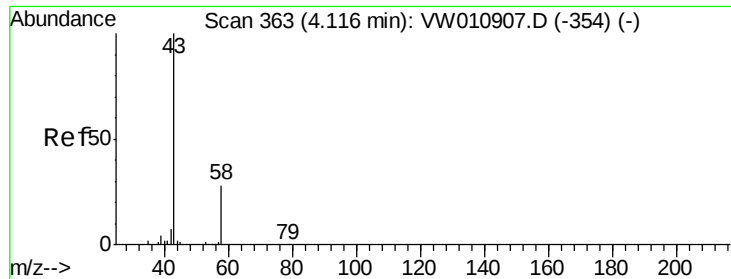


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 41.864 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW010907.D

Acq: 21 Jun 2019 22:02

Instrument :

MSVOA_W

ClientSampleId :

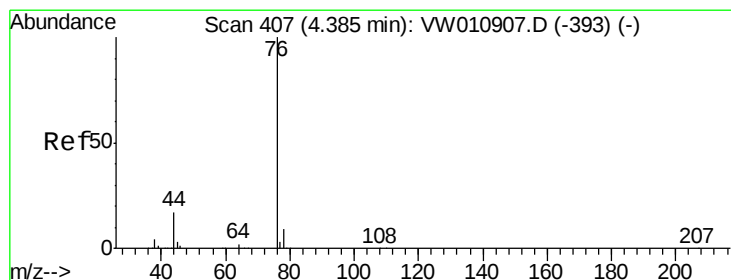
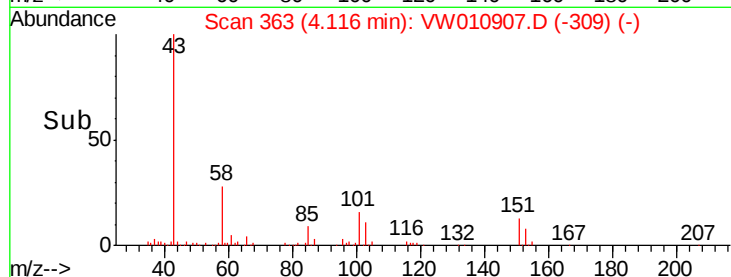
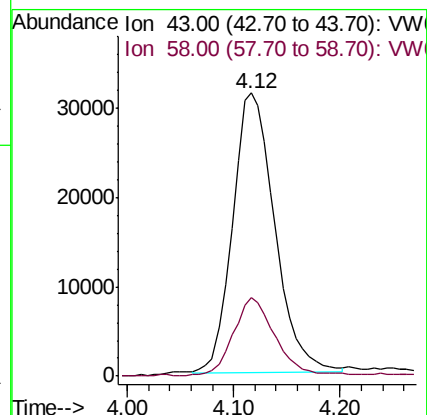
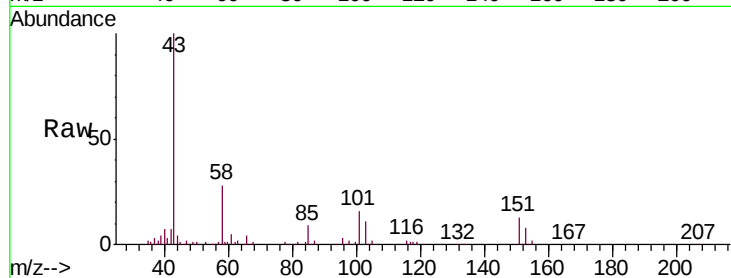
VSTD02503

Tgt Ion: 43 Resp: 86652

Ion Ratio Lower Upper

43 100

58 27.0 0.0 54.0



#14

Carbon disulfide

Concen: 26.292 ug/L

RT: 4.38 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW010907.D

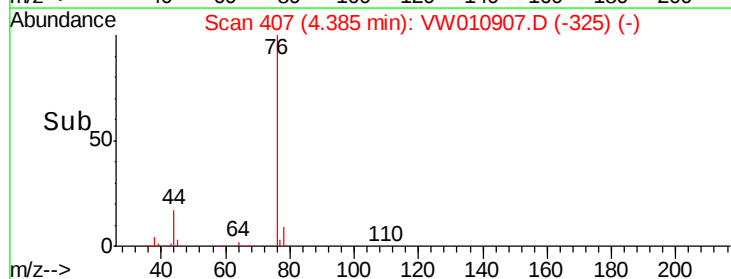
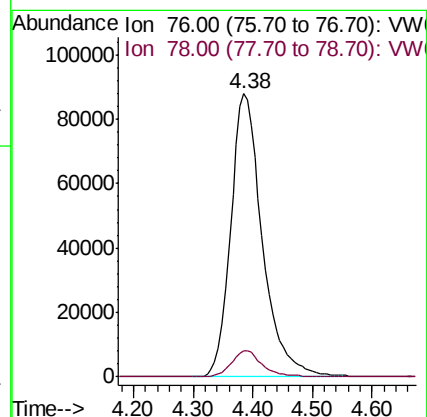
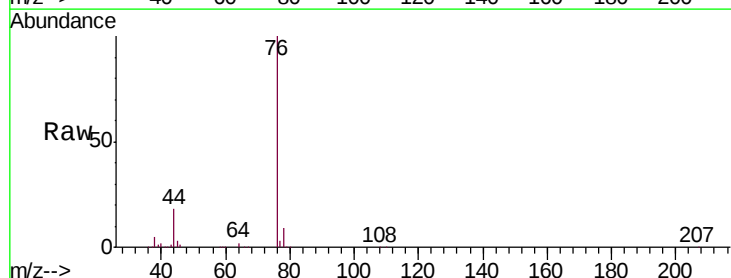
Acq: 21 Jun 2019 22:02

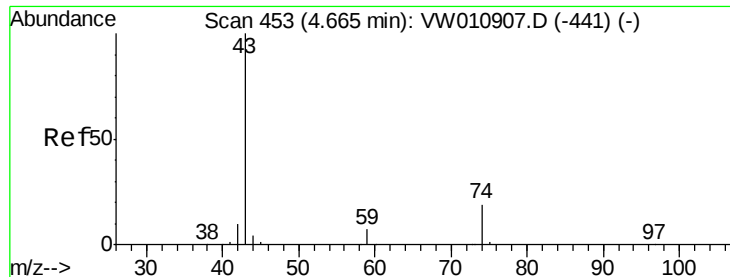
Tgt Ion: 76 Resp: 323102

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

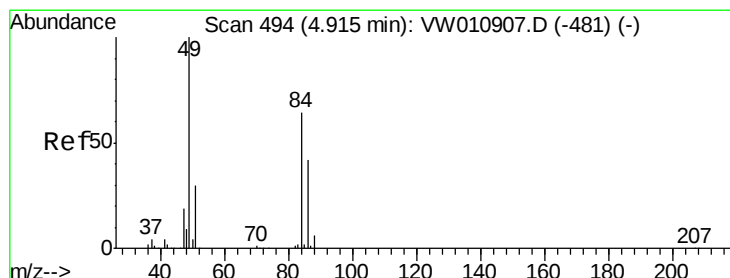
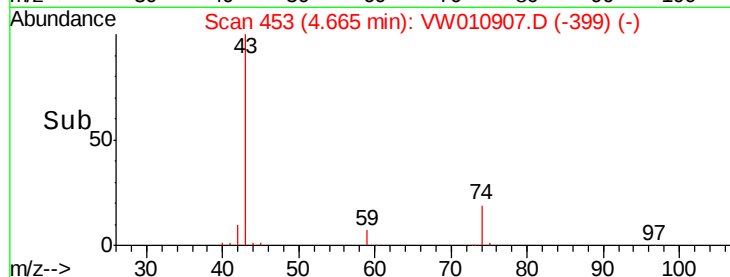
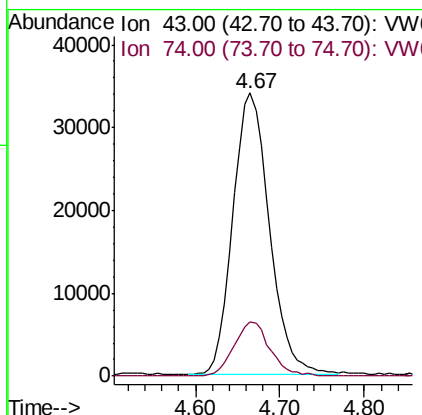
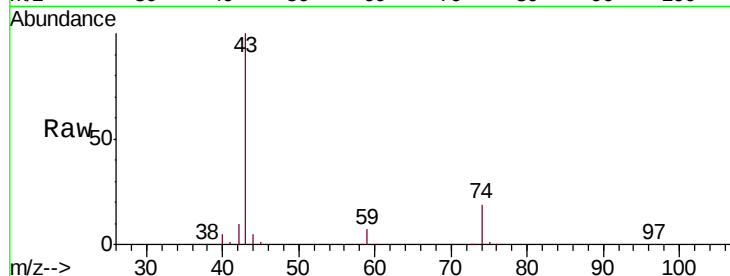




#15
Methyl Acetate
Concen: 27.925 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW010907.D
Acq: 21 Jun 2019 22:02

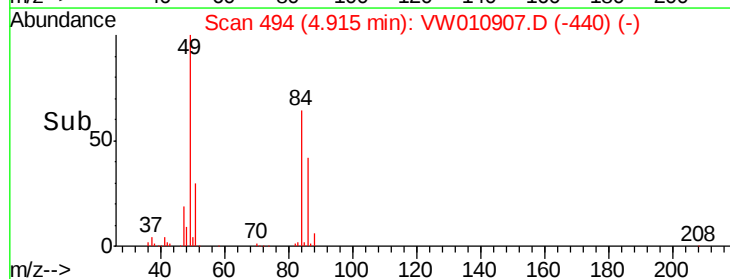
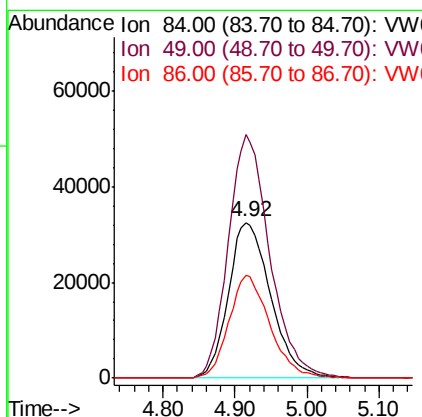
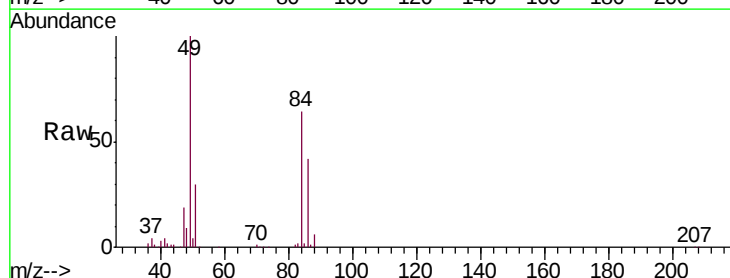
Instrument :
MSVOA_W
ClientSampleId :
VSTD02503

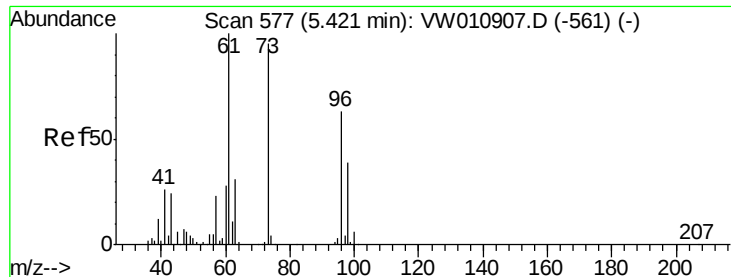
Tgt Ion: 43 Resp: 99886
Ion Ratio Lower Upper
43 100
74 19.1 15.3 22.9



#16
Methylene chloride
Concen: 26.969 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010907.D
Acq: 21 Jun 2019 22:02

Tgt Ion: 84 Resp: 133104
Ion Ratio Lower Upper
84 100
49 156.8 109.8 203.8
86 66.5 46.5 86.5

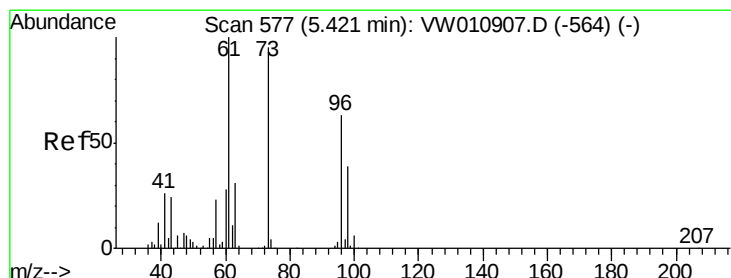
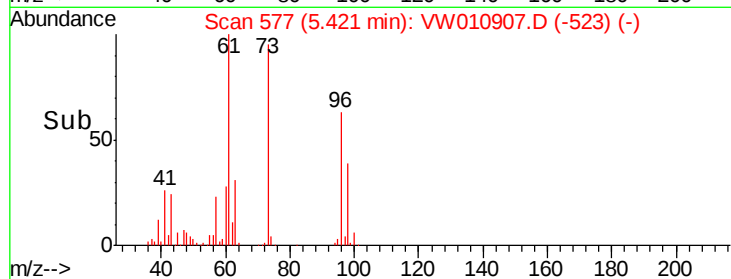
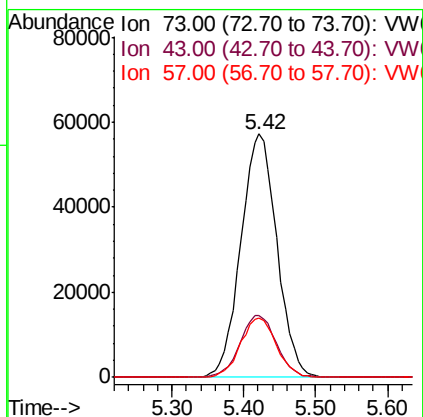
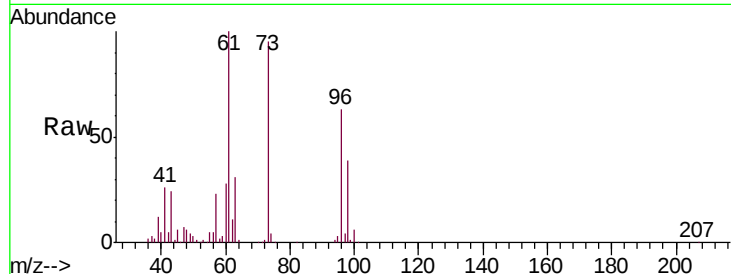




#17
Methyl tert-butyl Ether
Concen: 16.077 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW010907.D
Acq: 21 Jun 2019 22:02

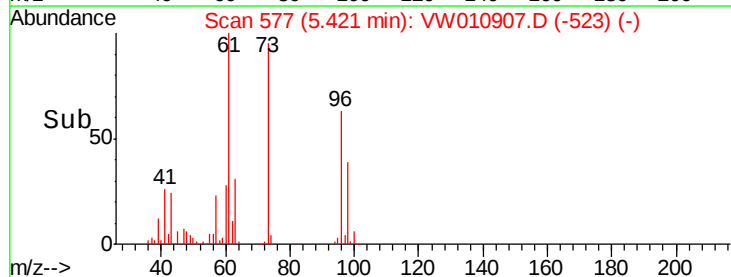
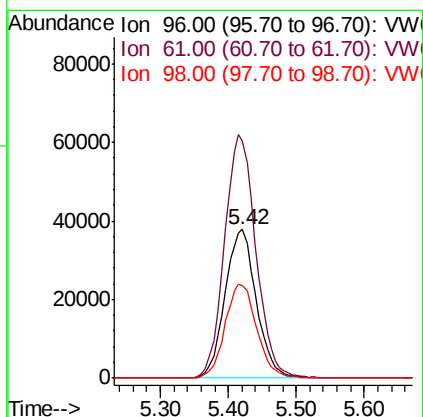
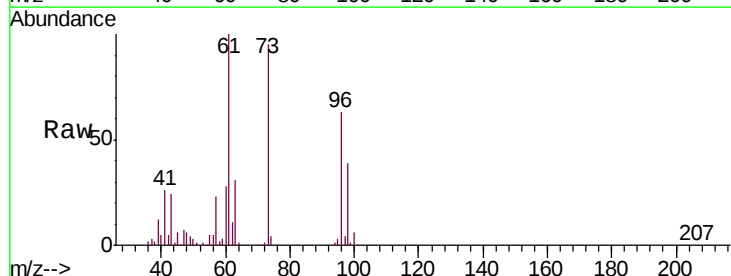
Instrument :
MSVOA_W
ClientSampleId :
VSTD02503

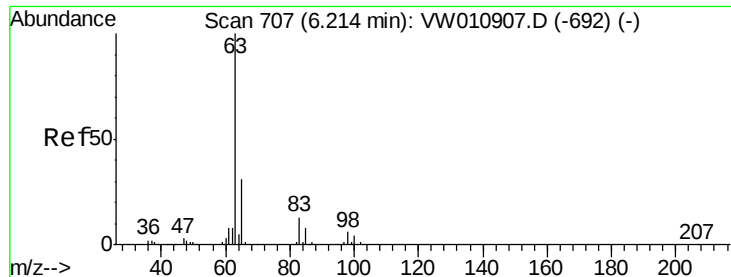
Tgt Ion: 73 Resp: 198795
Ion Ratio Lower Upper
73 100
43 25.5 20.4 30.6
57 24.4 19.5 29.3



#18
trans-1,2-Dichloroethene
Concen: 26.244 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW010907.D
Acq: 21 Jun 2019 22:02

Tgt Ion: 96 Resp: 120763
Ion Ratio Lower Upper
96 100
61 159.6 111.7 207.5
98 62.2 43.5 80.9

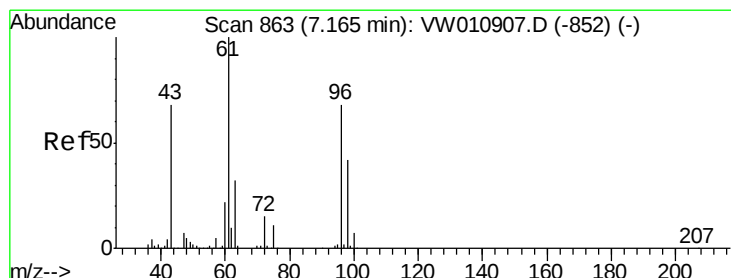
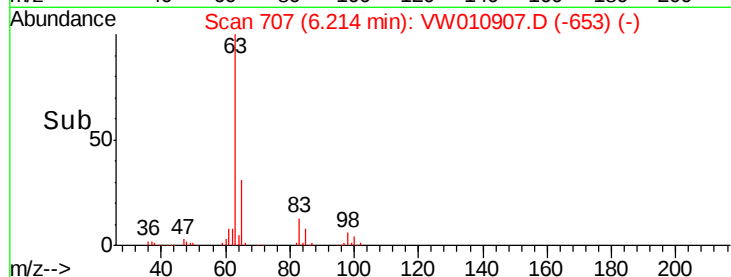
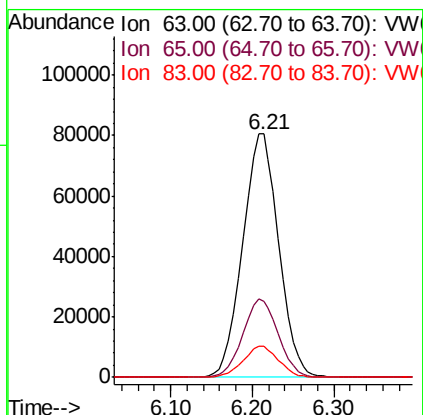
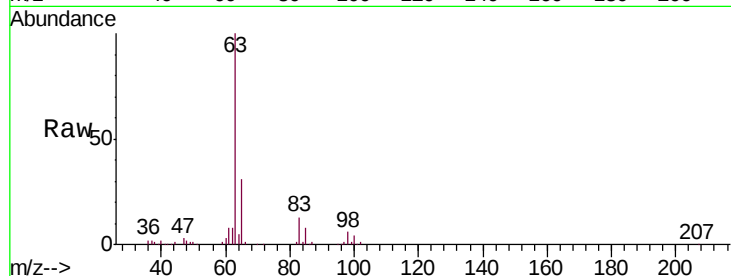




#19
 1,1-Dichloroethane
 Concen: 25.942 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW010907.D
 Acq: 21 Jun 2019 22:02

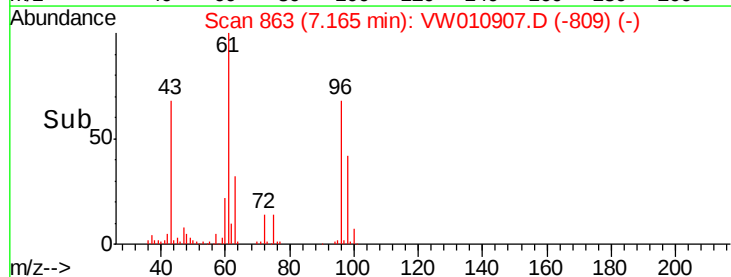
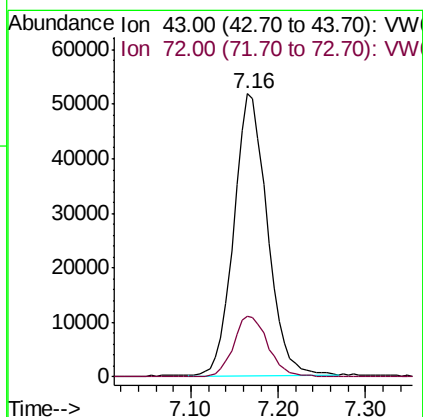
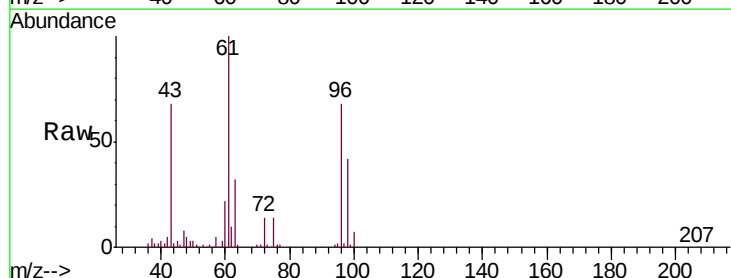
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02503

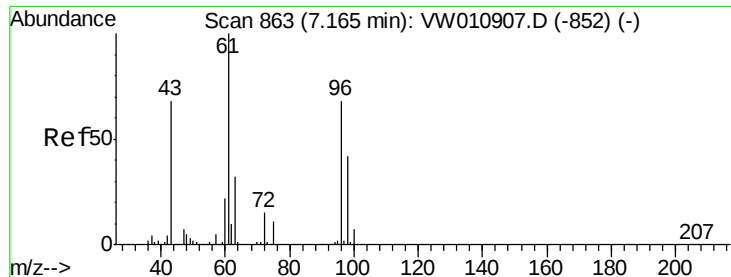
Tgt Ion: 63 Resp: 247359
 Ion Ratio Lower Upper
 63 100
 65 31.1 21.8 40.4
 83 12.6 8.8 16.4



#21
 2-Butanone
 Concen: 46.966 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW010907.D
 Acq: 21 Jun 2019 22:02

Tgt Ion: 43 Resp: 138230
 Ion Ratio Lower Upper
 43 100
 72 22.1 11.1 33.1



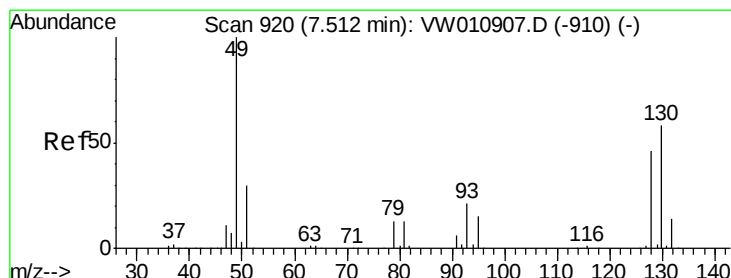
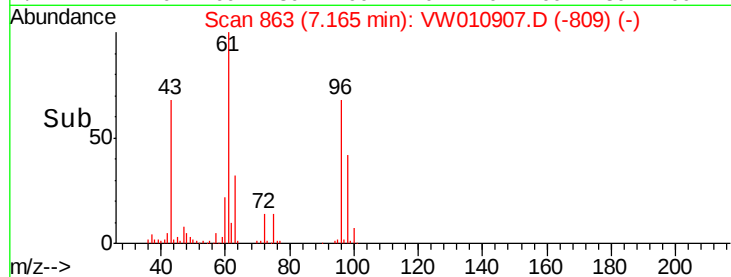
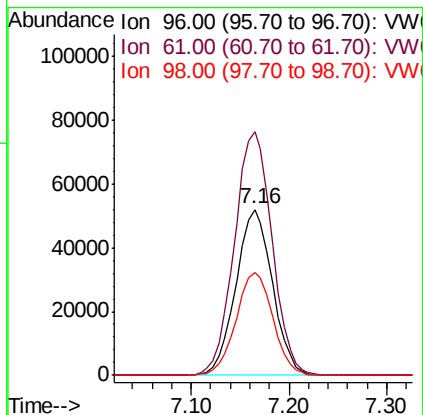
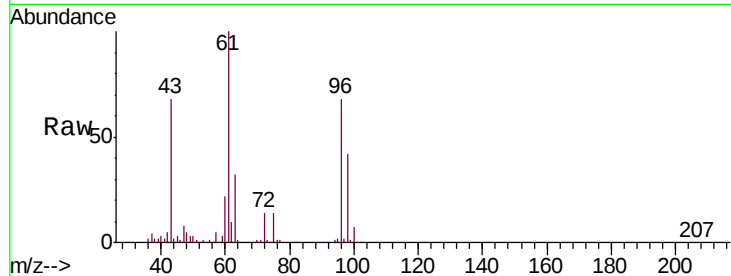


#22

cis-1,2-Dichloroethene
 Concen: 25.859 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW010907.D
 Acq: 21 Jun 2019 22:02

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02503

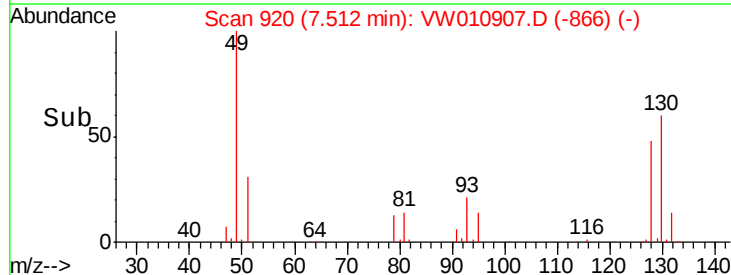
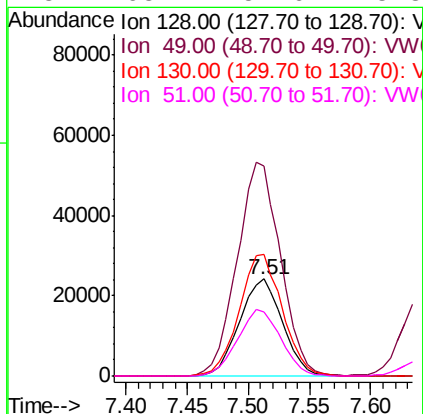
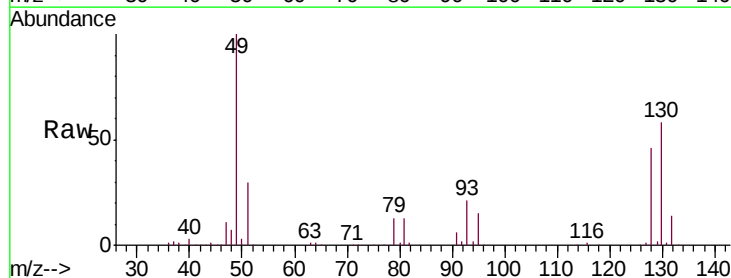
Tgt Ion: 96 Resp: 134482
 Ion Ratio Lower Upper
 96 100
 61 147.1 103.0 191.2
 98 62.2 43.5 80.9

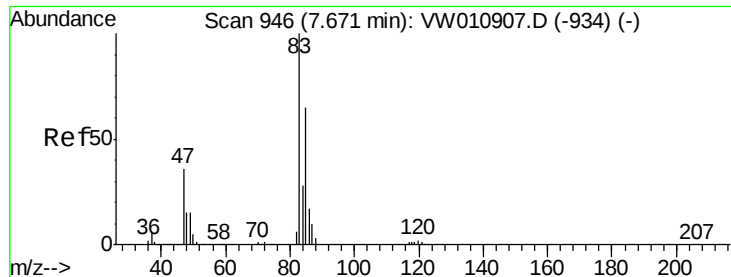


#23

Bromochloromethane
 Concen: 27.159 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW010907.D
 Acq: 21 Jun 2019 22:02

Tgt Ion: 128 Resp: 58818
 Ion Ratio Lower Upper
 128 100
 49 216.0 151.2 280.8
 130 125.4 87.8 163.0
 51 65.7 52.6 78.8





#25

Chloroform

Concen: 22.146 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW010907.D

Acq: 21 Jun 2019 22:02

Instrument :

MSVOA_W

ClientSampleId :

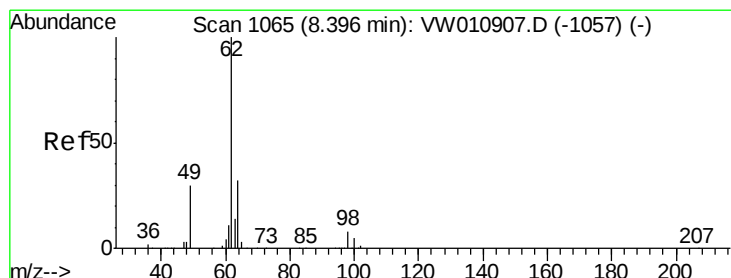
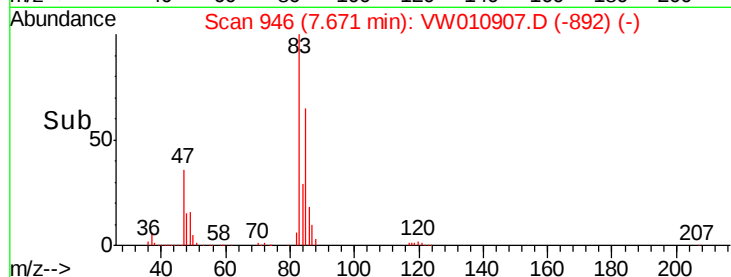
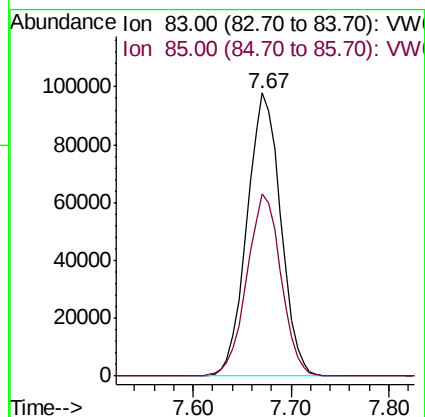
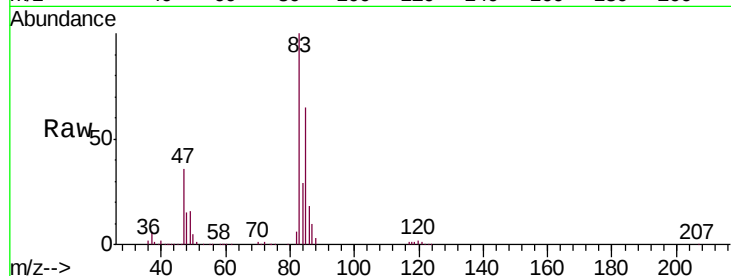
VSTD02503

Tgt Ion: 83 Resp: 235444

Ion Ratio Lower Upper

83 100

85 65.3 45.7 84.9



#27

1,2-Dichloroethane

Concen: 26.948 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW010907.D

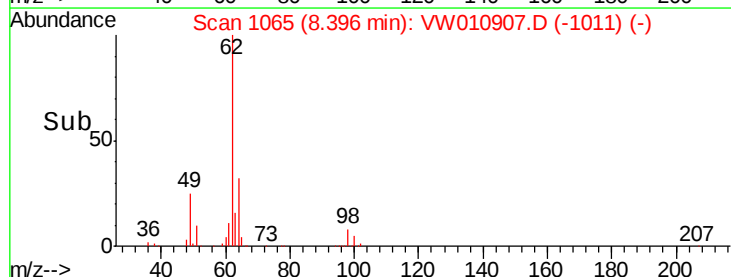
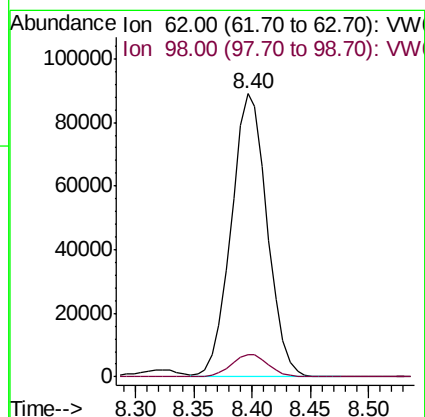
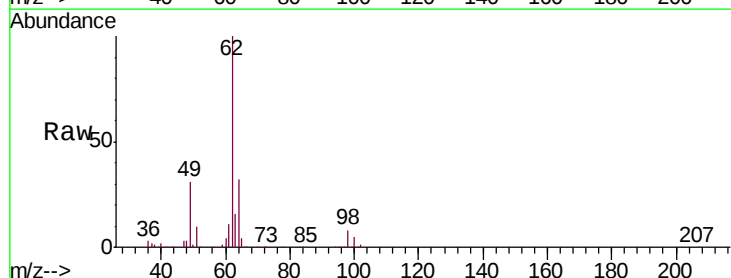
Acq: 21 Jun 2019 22:02

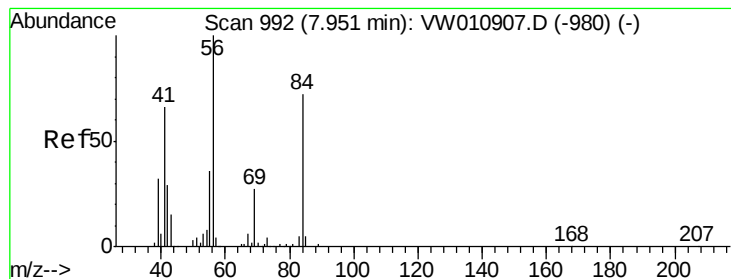
Tgt Ion: 62 Resp: 191052

Ion Ratio Lower Upper

62 100

98 7.9 6.3 9.5





#30

Cyclohexane

Concen: 25.268 ug/L

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW010907.D

Acq: 21 Jun 2019 22:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

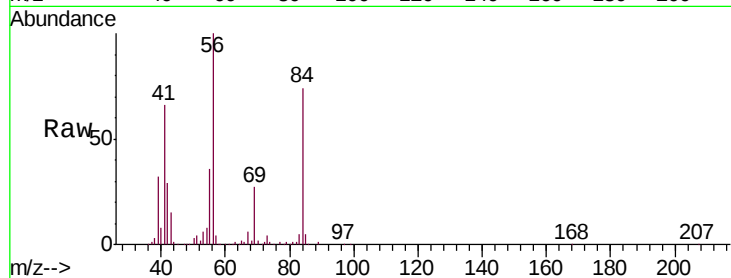
Tgt Ion: 56 Resp: 247024

Ion Ratio Lower Upper

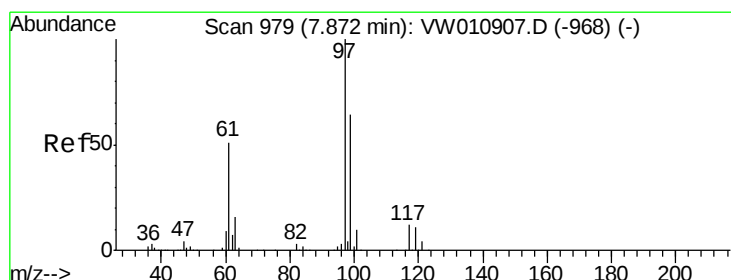
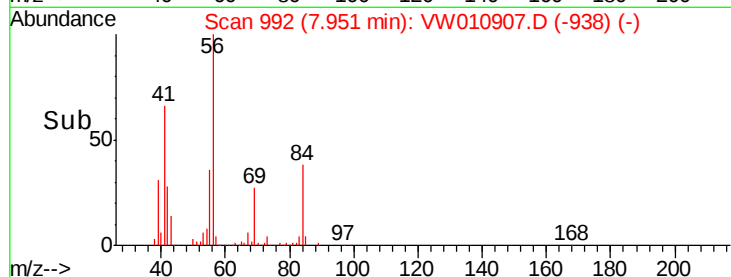
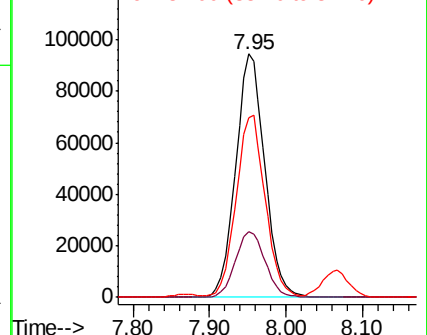
56 100

69 27.9 22.3 33.5

84 75.4 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: 21.545 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW010907.D

Acq: 21 Jun 2019 22:02

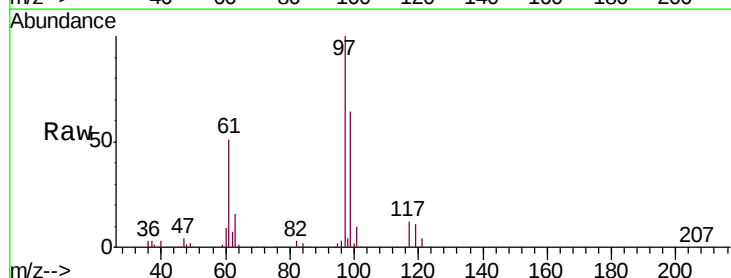
Tgt Ion: 97 Resp: 161774

Ion Ratio Lower Upper

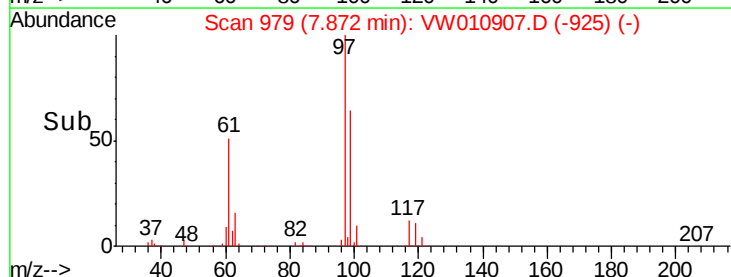
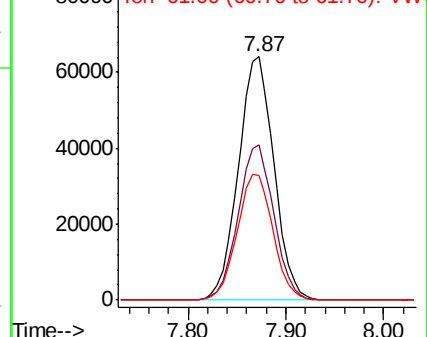
97 100

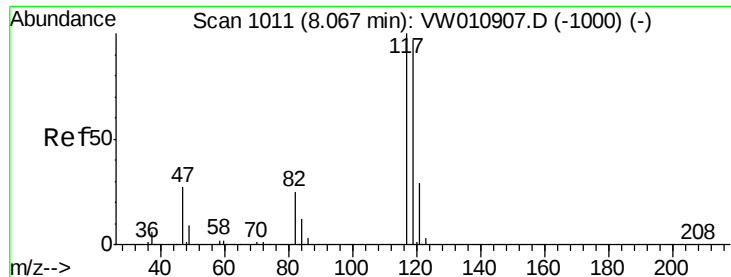
99 63.8 51.0 76.6

61 52.0 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: 23.468 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW010907.D

Acq: 21 Jun 2019 22:02

Instrument :

MSVOA_W

ClientSampleId :

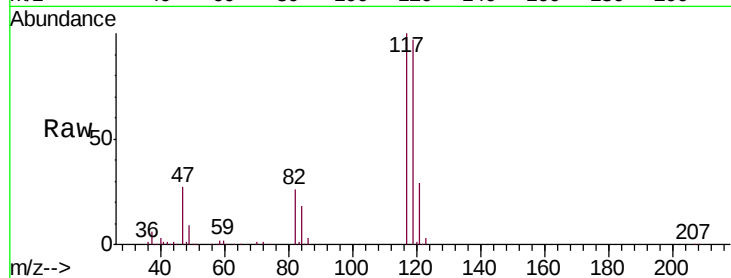
VSTD02503

Tgt Ion:117 Resp: 149684

Ion Ratio Lower Upper

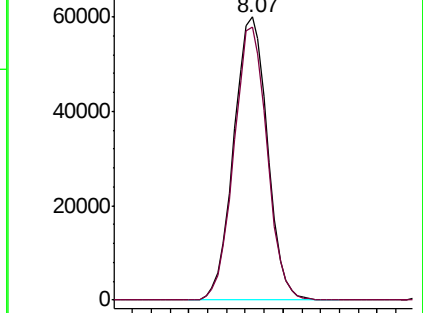
117 100

119 95.1 76.1 114.1

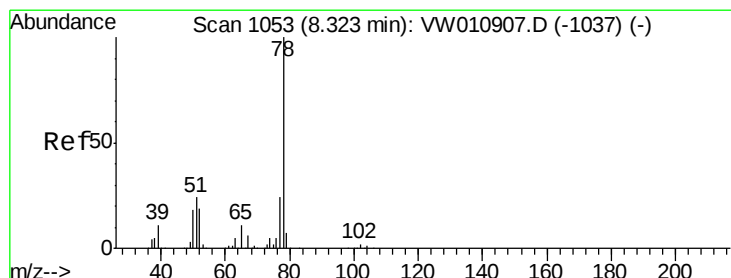
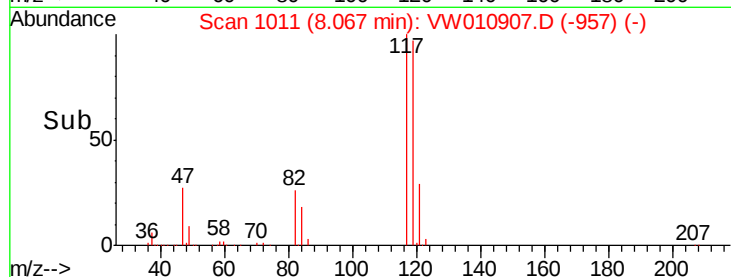


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



Time-->



#34

Benzene

Concen: 25.956 ug/L

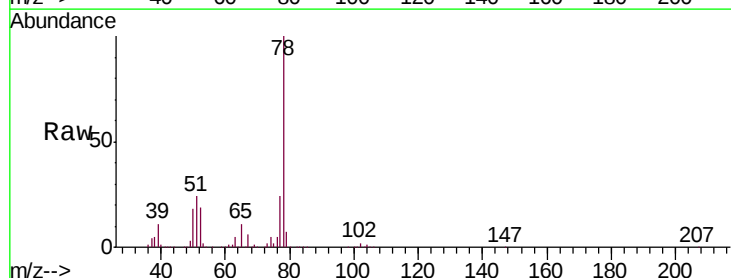
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

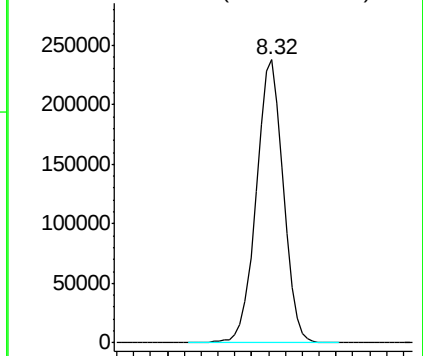
Lab File: VW010907.D

Acq: 21 Jun 2019 22:02

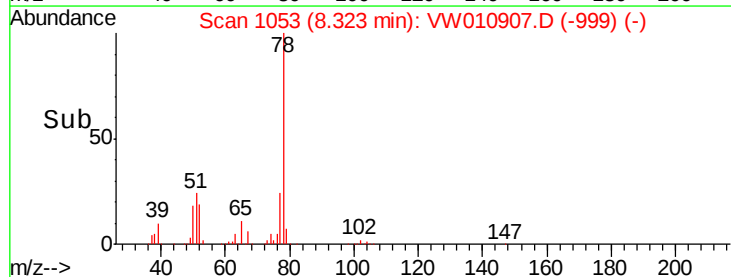
Tgt Ion: 78 Resp: 525557

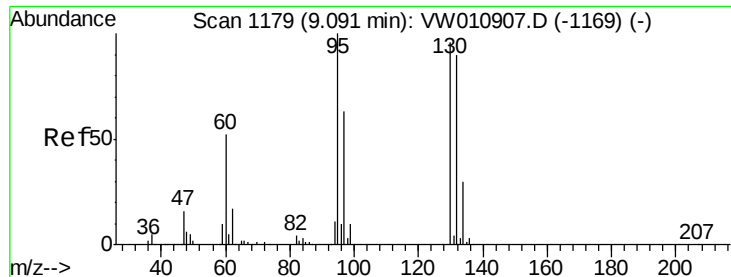


Abundance Ion 78.00 (77.70 to 78.70): VW



Time-->

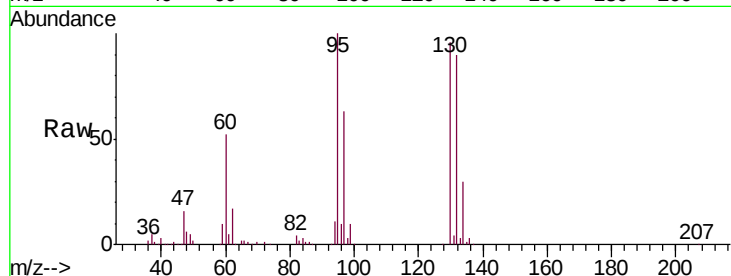




#35
 Trichloroethene
 Concen: 25.341 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW010907.D
 Acq: 21 Jun 2019 22:02

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02503

Tgt Ion:	95	Resp:	130993
Ion	Ratio	Lower	Upper
95	100		
97	63.6	44.5	82.7
132	90.9	63.6	118.2
130	95.4	66.8	124.0



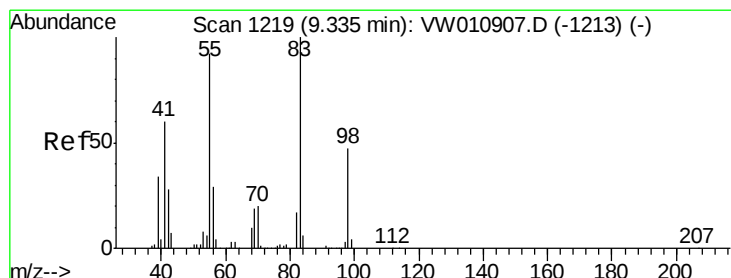
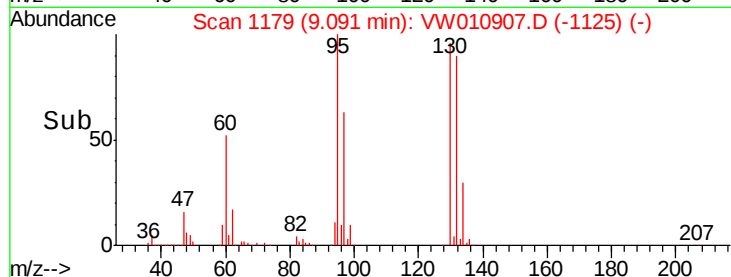
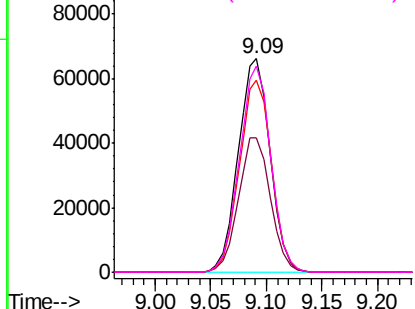
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

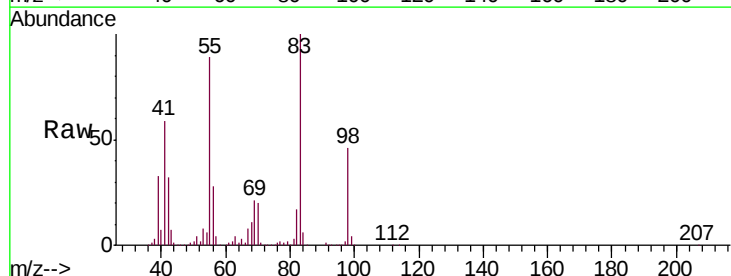
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36
 Methylcyclohexane
 Concen: 25.196 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW010907.D
 Acq: 21 Jun 2019 22:02

Tgt Ion:	83	Resp:	231157
Ion	Ratio	Lower	Upper
83	100		
55	90.8	72.6	109.0
98	47.4	37.9	56.9

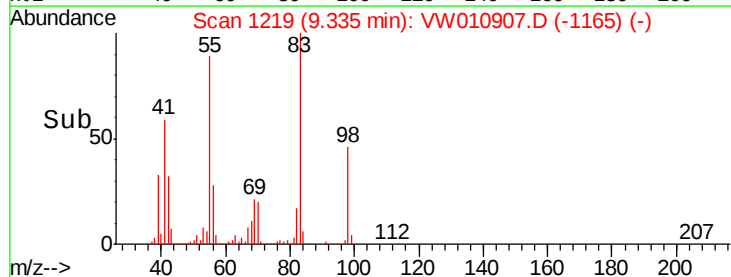
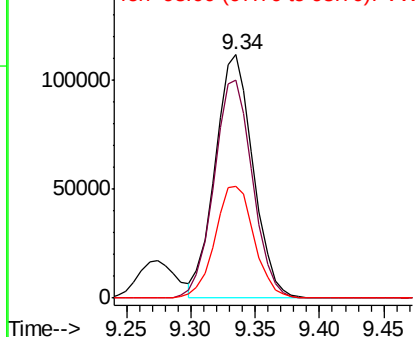


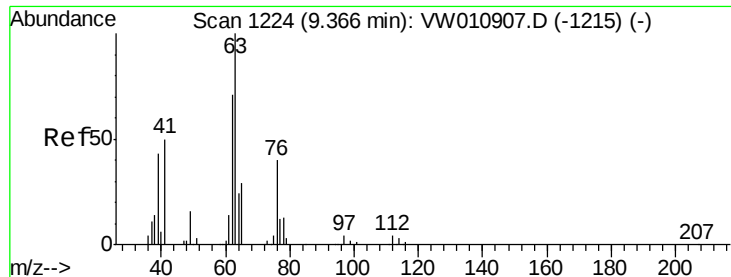
Abundance

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

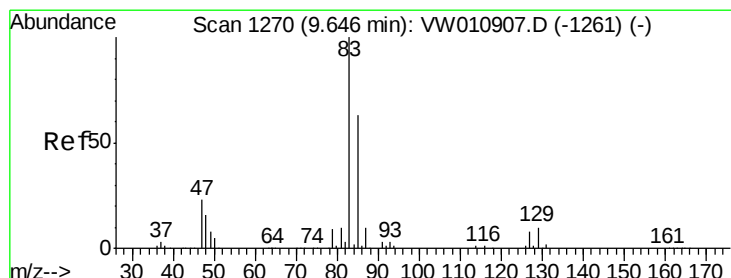
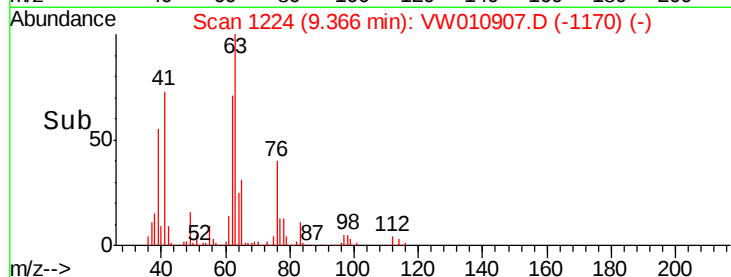
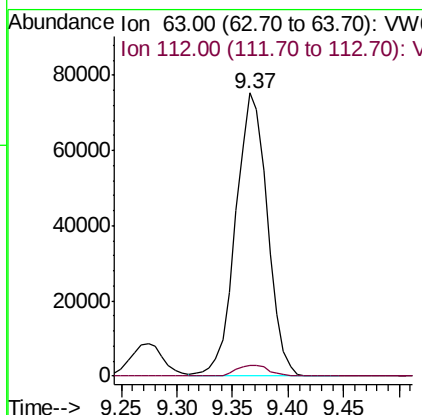
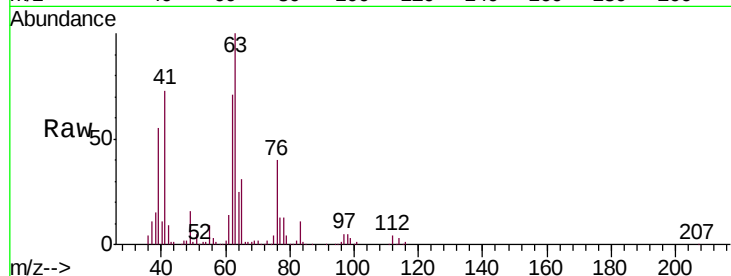




#40
 1,2-Dichloropropane
 Concen: 26.362 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW010907.D
 Acq: 21 Jun 2019 22:02

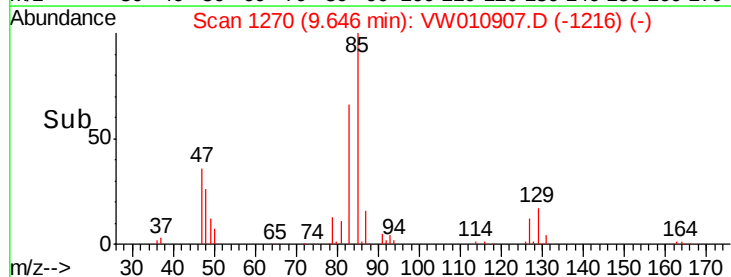
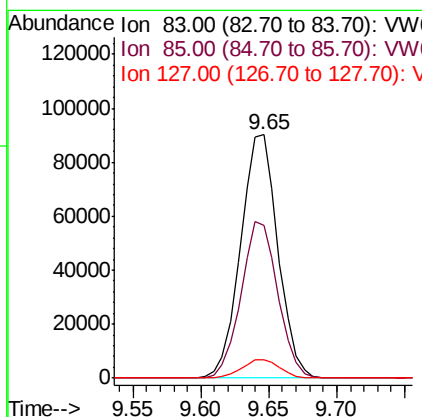
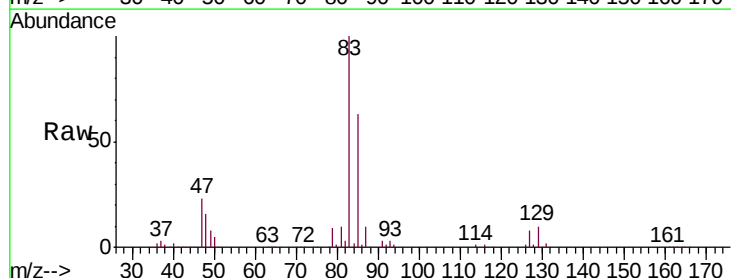
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

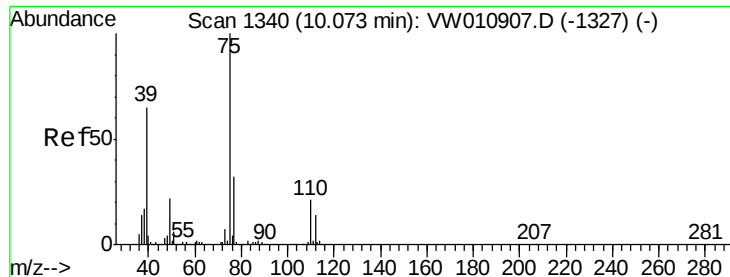
Tgt Ion: 63 Resp: 148625
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.2 4.8



#41
 Bromodichloromethane
 Concen: 26.182 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW010907.D
 Acq: 21 Jun 2019 22:02

Tgt Ion: 83 Resp: 172863
 Ion Ratio Lower Upper
 83 100
 85 62.6 43.8 81.4
 127 7.8 6.2 9.4





#42

cis-1,3-Dichloropropene

Concen: 26.140 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010907.D

Acq: 21 Jun 2019 22:02

Instrument :

MSVOA_W

ClientSampled :

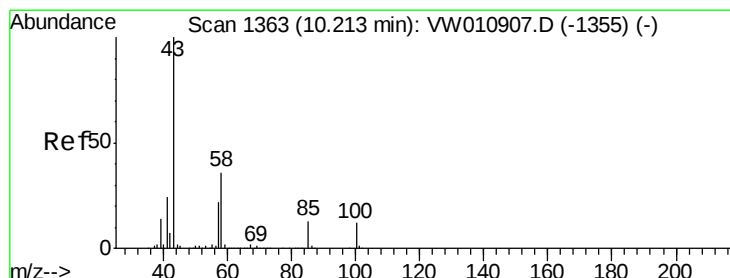
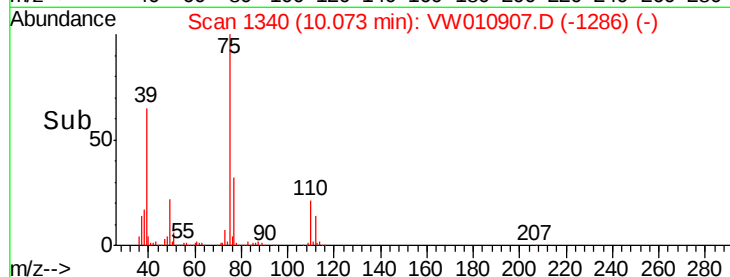
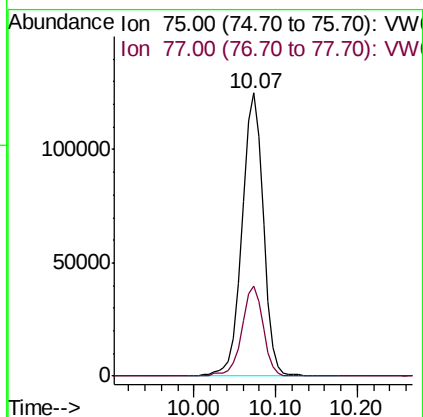
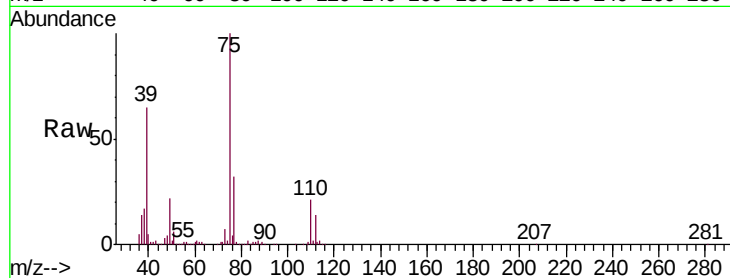
VSTD02503

Tgt Ion: 75 Resp: 225155

Ion Ratio Lower Upper

75 100

77 31.9 22.3 41.5



#43

4-Methyl-2-pentanone

Concen: 54.183 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW010907.D

Acq: 21 Jun 2019 22:02

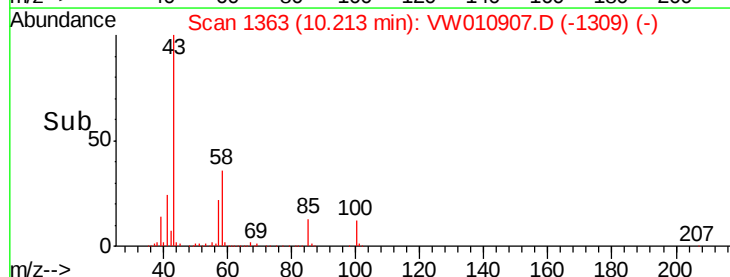
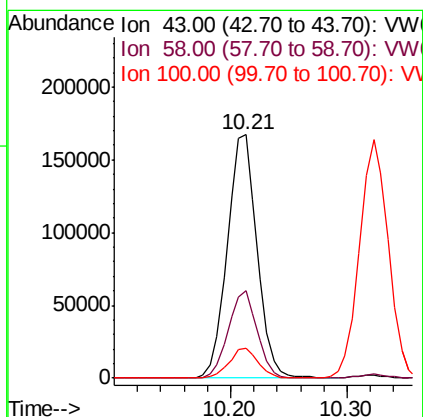
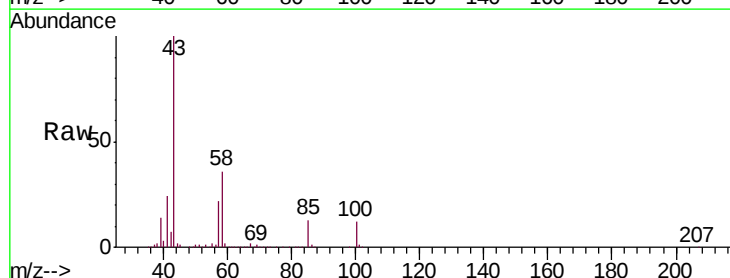
Tgt Ion: 43 Resp: 296182

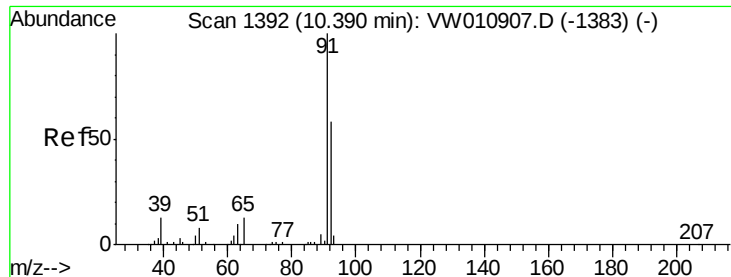
Ion Ratio Lower Upper

43 100

58 34.9 27.9 41.9

100 11.8 9.4 14.2





#44

Toluene

Concen: 25.958 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW010907.D

Acq: 21 Jun 2019 22:02

Instrument :

MSVOA_W

ClientSampleId :

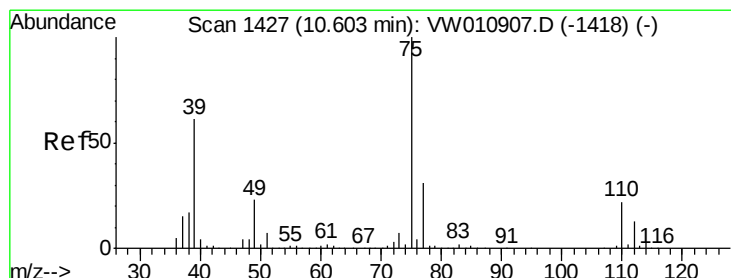
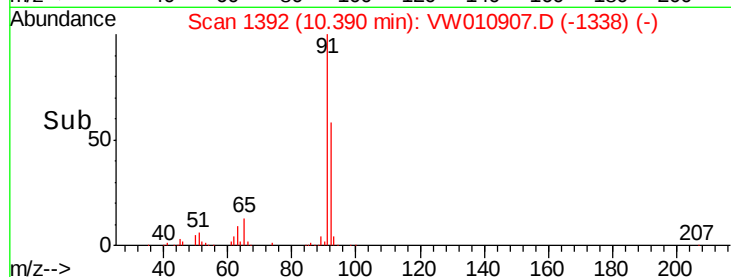
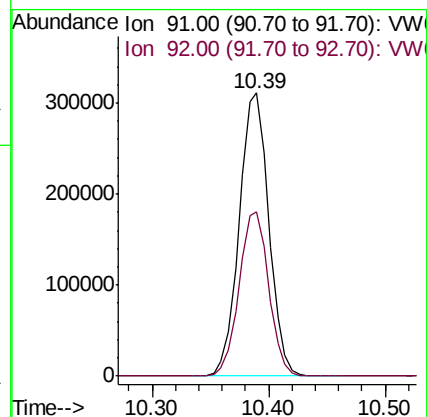
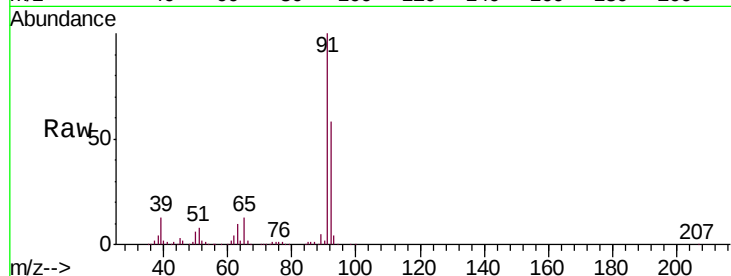
VSTD02503

Tgt Ion: 91 Resp: 550626

Ion Ratio Lower Upper

91 100

92 57.9 40.5 75.3



#45

trans-1,3-Dichloropropene

Concen: 26.263 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010907.D

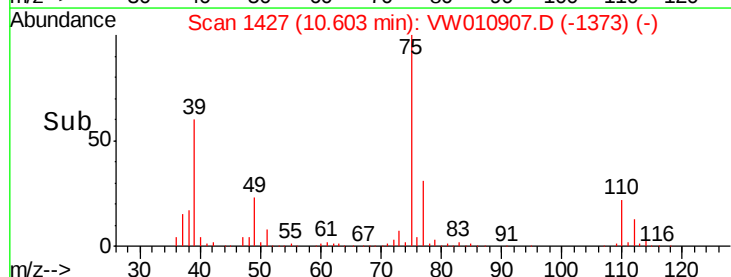
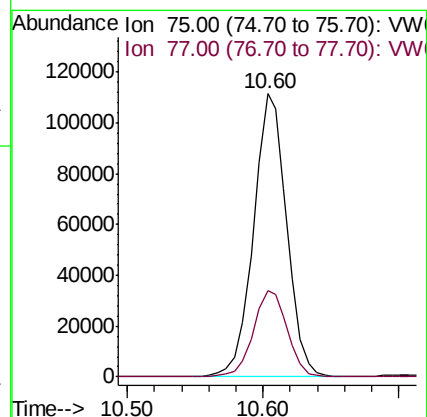
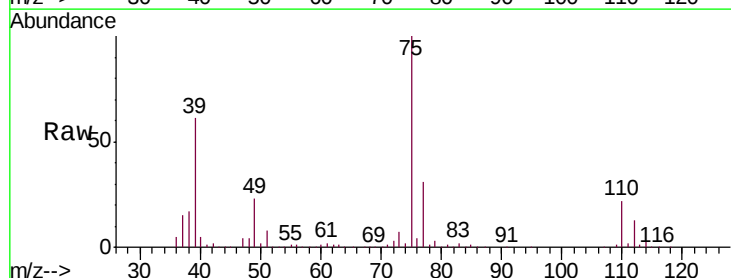
Acq: 21 Jun 2019 22:02

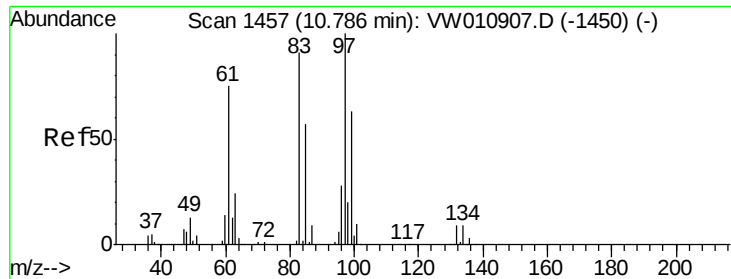
Tgt Ion: 75 Resp: 189883

Ion Ratio Lower Upper

75 100

77 30.7 21.5 39.9





#46

1,1,2-Trichloroethane

Concen: 26.231 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW010907.D

Acq: 21 Jun 2019 22:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

Tgt Ion: 97 Resp: 105226

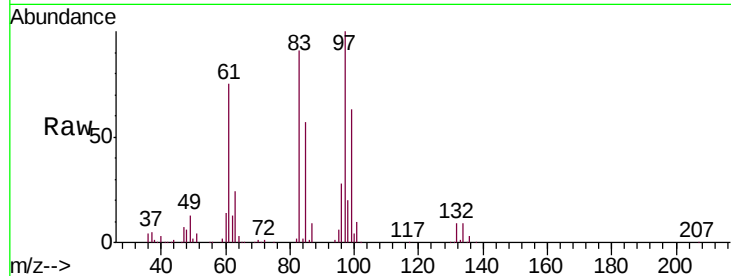
Ion Ratio Lower Upper

97 100

83 90.7 63.5 117.9

85 57.0 39.9 74.1

99 63.4 44.4 82.4

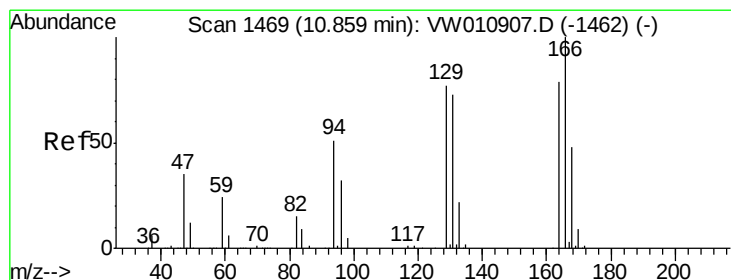
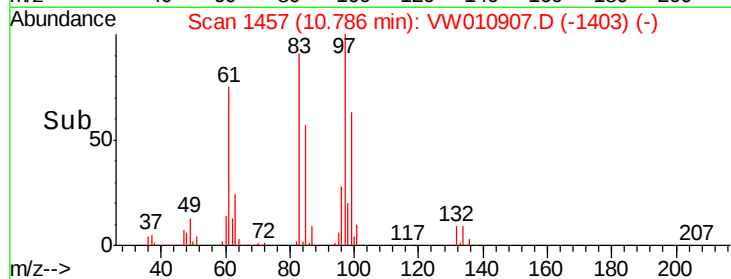
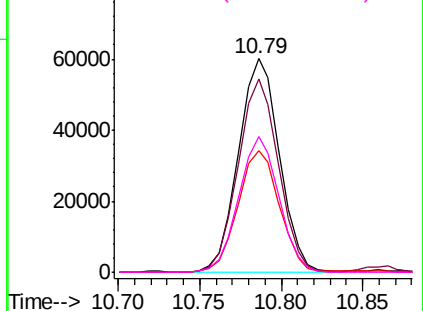


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 24.825 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW010907.D

Acq: 21 Jun 2019 22:02

Tgt Ion: 164 Resp: 95746

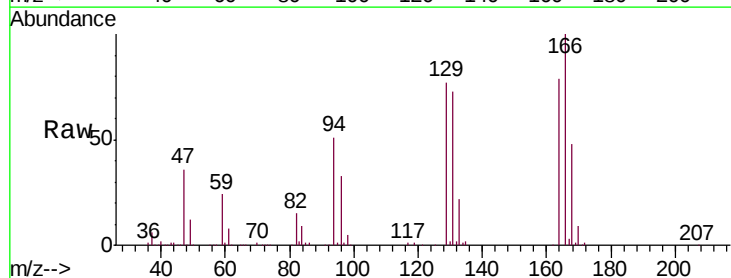
Ion Ratio Lower Upper

164 100

129 97.9 68.5 127.3

131 93.3 65.3 121.3

166 127.0 88.9 165.1

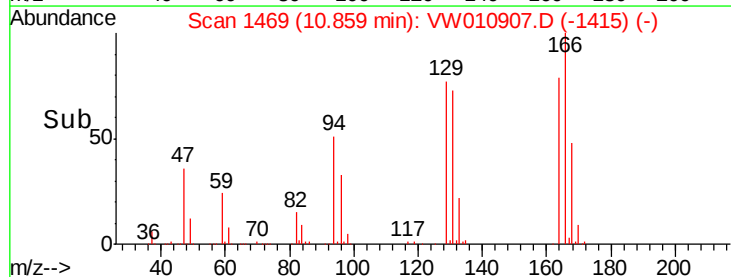
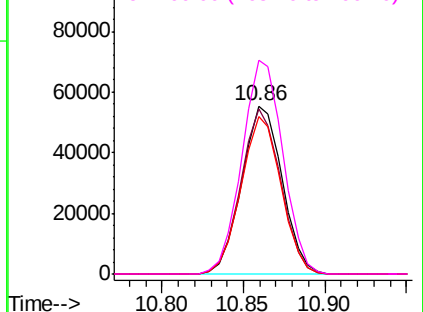


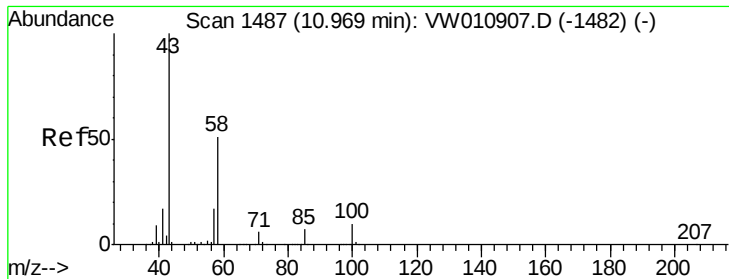
Abundance Ion 164.00 (163.70 to 164.70): V

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: 51.809 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW010907.D

Acq: 21 Jun 2019 22:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

Tgt Ion: 43 Resp: 205757

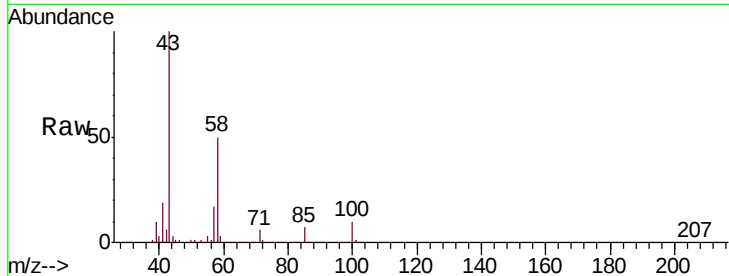
Ion Ratio Lower Upper

43 100

58 47.7 38.2 57.2

57 16.9 13.5 20.3

100 9.2 7.4 11.0



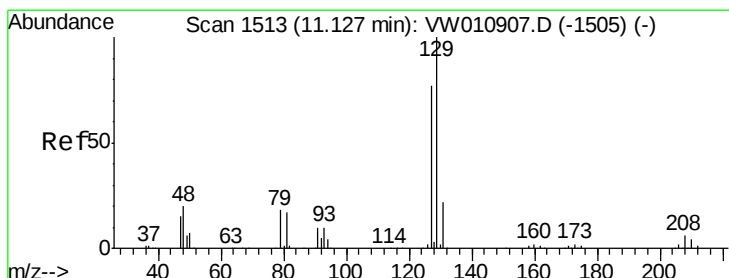
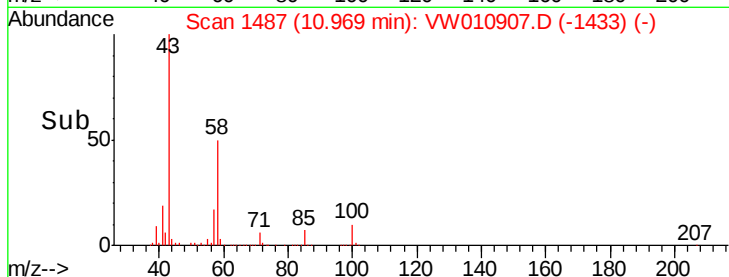
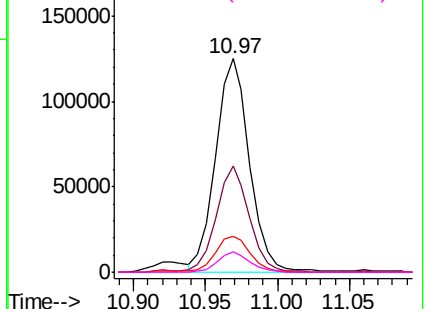
Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 25.960 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW010907.D

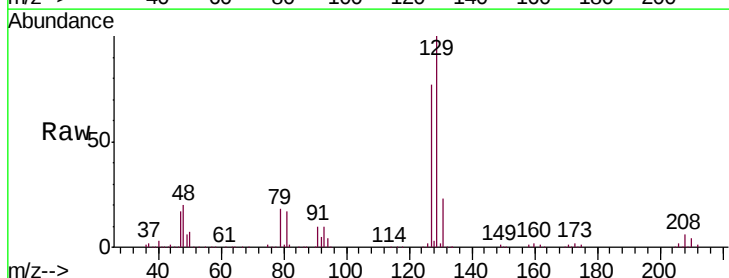
Acq: 21 Jun 2019 22:02

Tgt Ion: 129 Resp: 114680

Ion Ratio Lower Upper

129 100

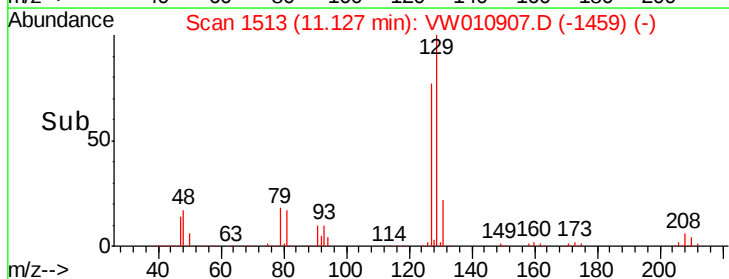
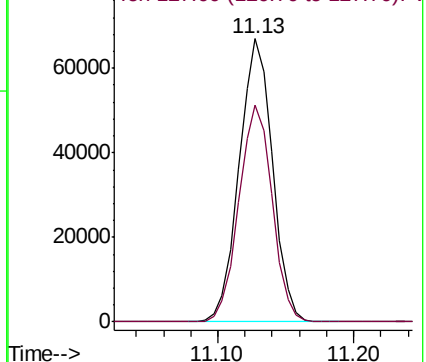
127 76.5 53.5 99.5

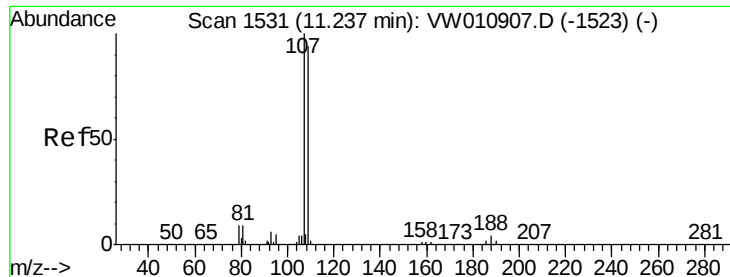


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 26.631 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW010907.D

Acq: 21 Jun 2019 22:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

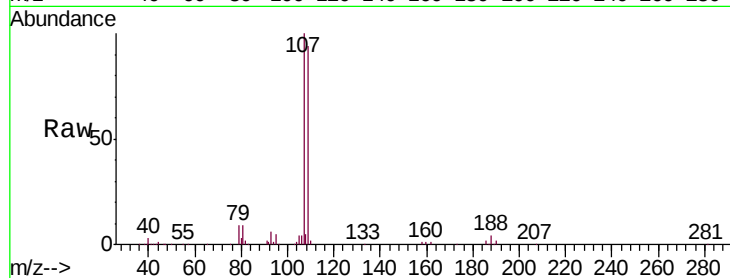
Tgt Ion:107 Resp: 103277

Ion Ratio Lower Upper

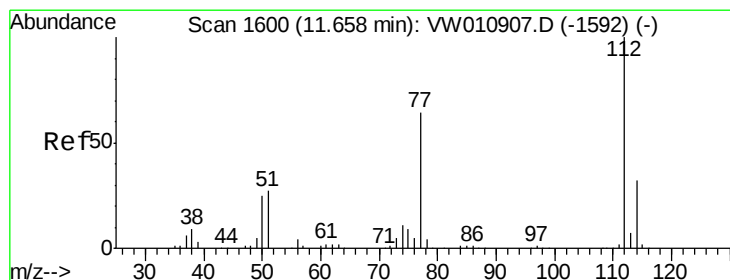
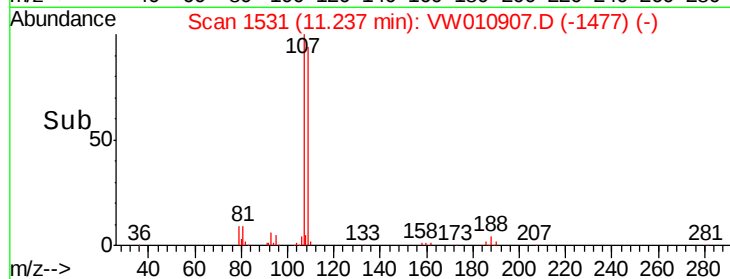
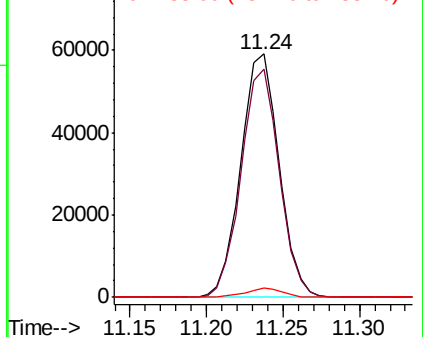
107 100

109 93.8 65.7 121.9

188 3.7 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: 25.416 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW010907.D

Acq: 21 Jun 2019 22:02

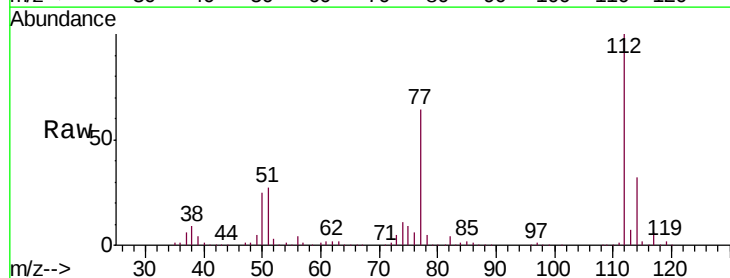
Tgt Ion:112 Resp: 333873

Ion Ratio Lower Upper

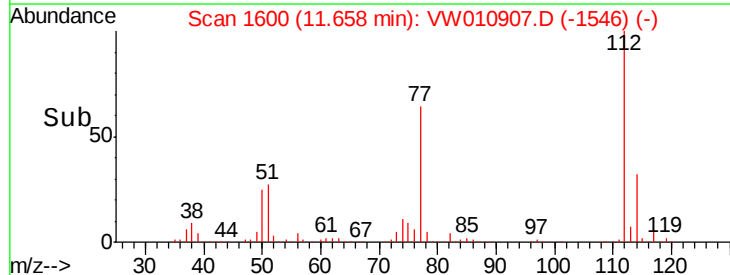
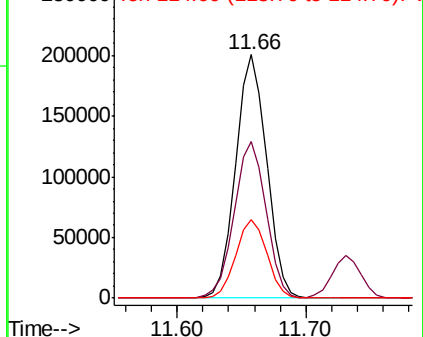
112 100

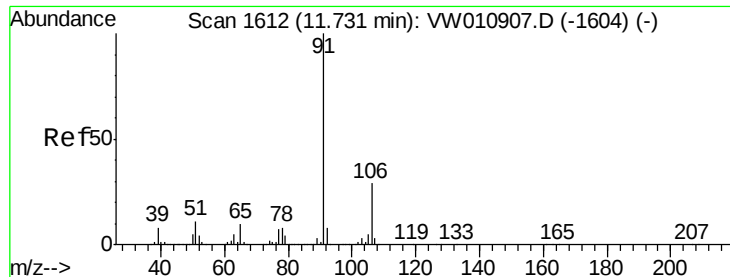
77 64.2 51.4 77.0

114 32.2 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: 25.469 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW010907.D

Acq: 21 Jun 2019 22:02

Instrument :

MSVOA_W

ClientSampleId :

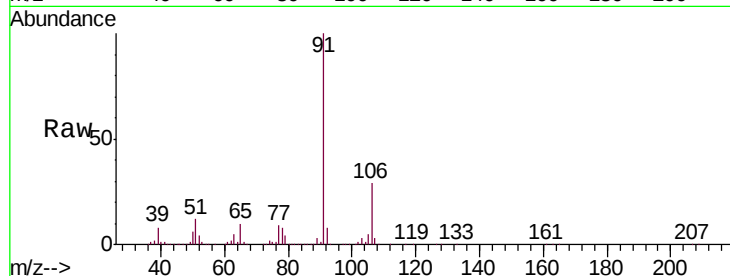
VSTD02503

Tgt Ion: 91 Resp: 614466

Ion Ratio Lower Upper

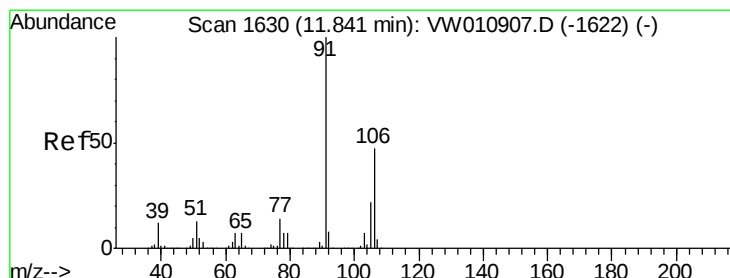
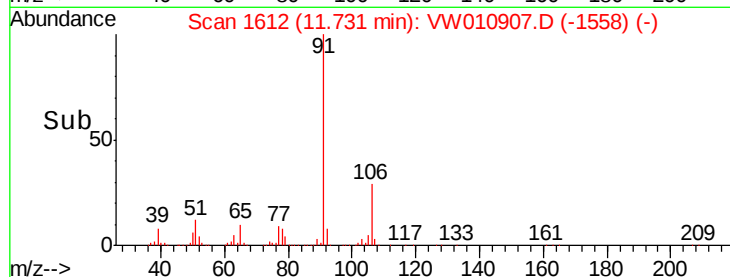
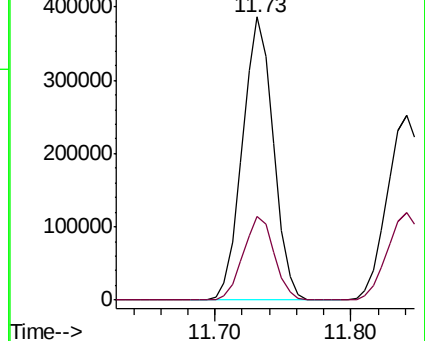
91 100

106 29.4 20.6 38.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 25.670 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW010907.D

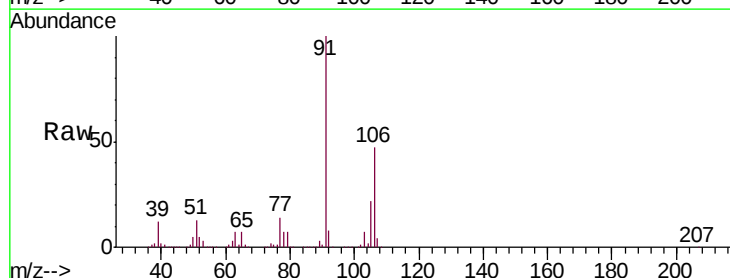
Acq: 21 Jun 2019 22:02

Tgt Ion: 106 Resp: 224130

Ion Ratio Lower Upper

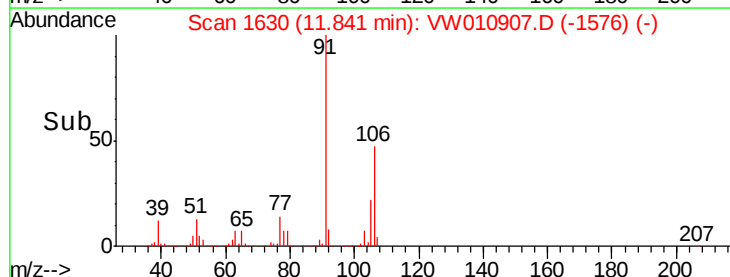
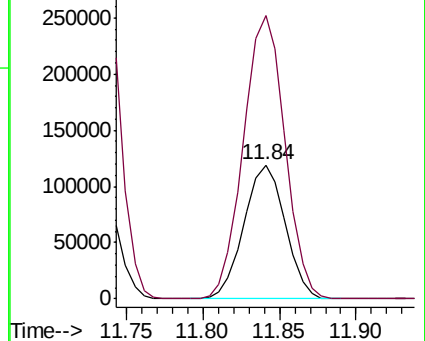
106 100

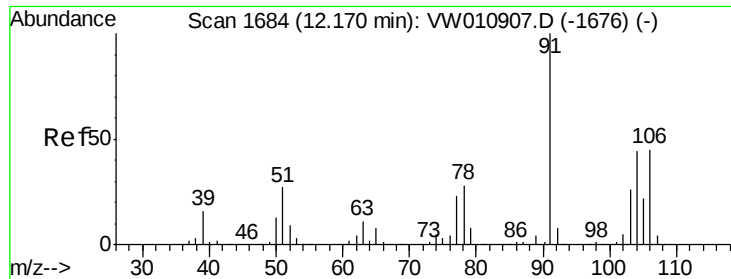
91 211.8 148.3 275.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

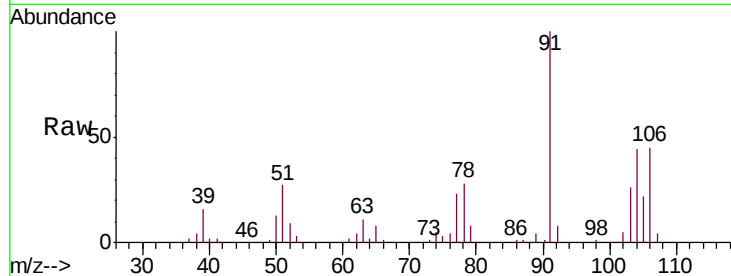




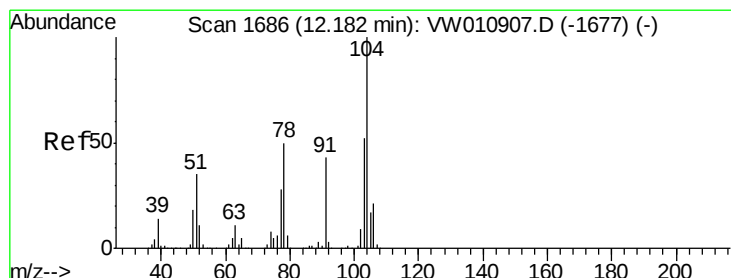
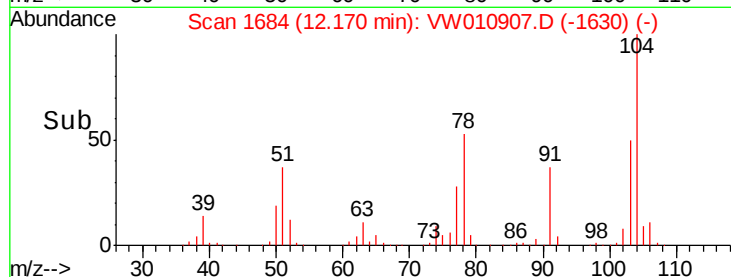
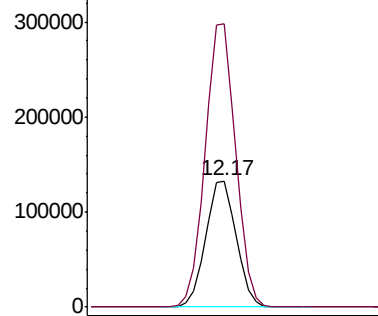
#55
o-xylene
Concen: 25.973 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW010907.D
Acq: 21 Jun 2019 22:02

Instrument :
MSVOA_W
ClientSampleId :
VSTD02503

Tgt Ion:106 Resp: 219827
Ion Ratio Lower Upper
106 100
91 224.4 157.1 291.7

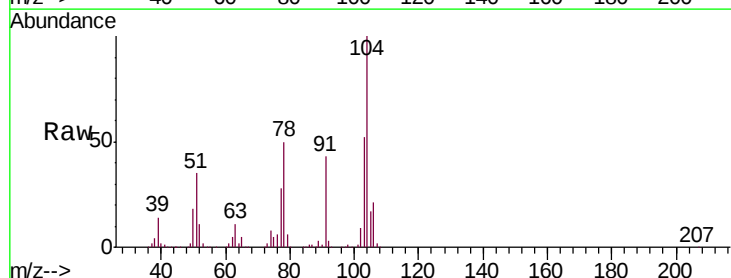


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

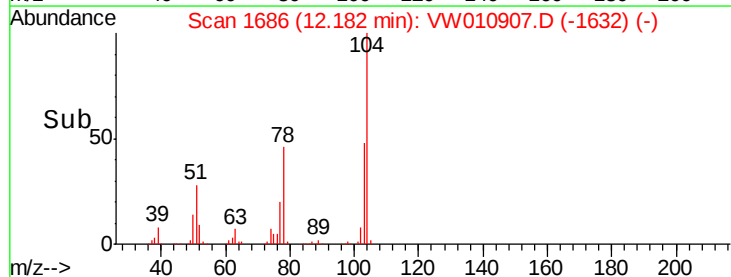
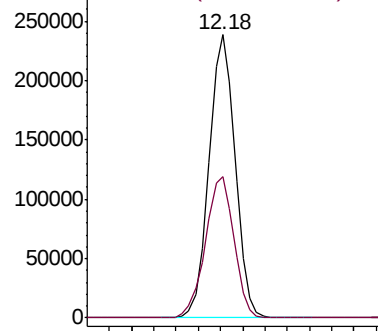


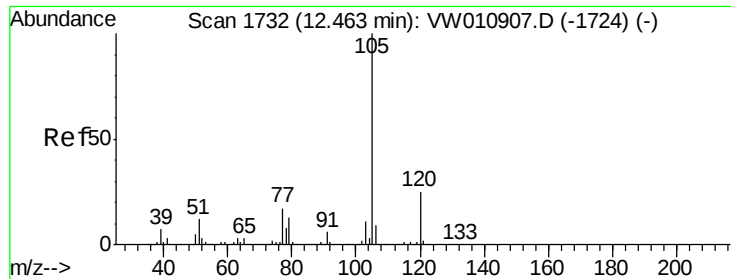
#56
Styrene
Concen: 26.164 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010907.D
Acq: 21 Jun 2019 22:02

Tgt Ion:104 Resp: 385398
Ion Ratio Lower Upper
104 100
78 49.7 34.8 64.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 25.254 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW010907.D

Acq: 21 Jun 2019 22:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

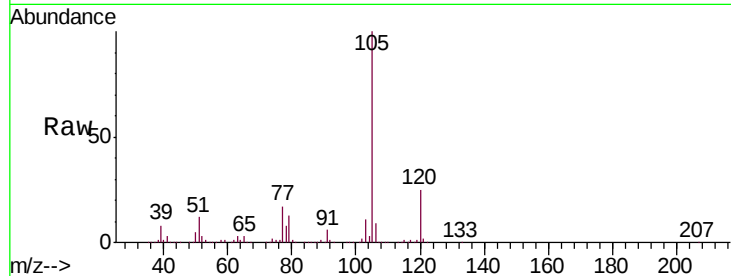
Tgt Ion: 105 Resp: 580971

Ion Ratio Lower Upper

105 100

120 25.4 20.3 30.5

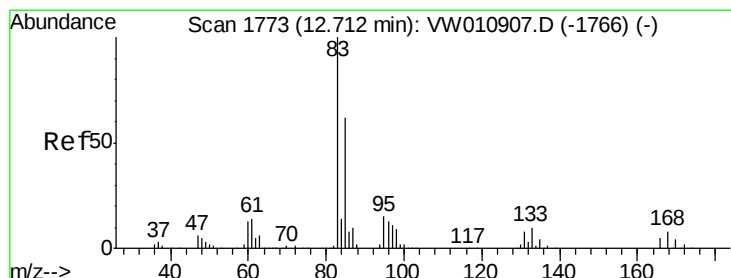
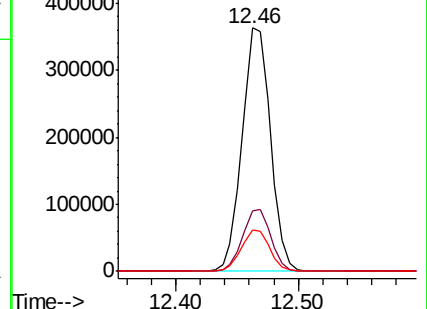
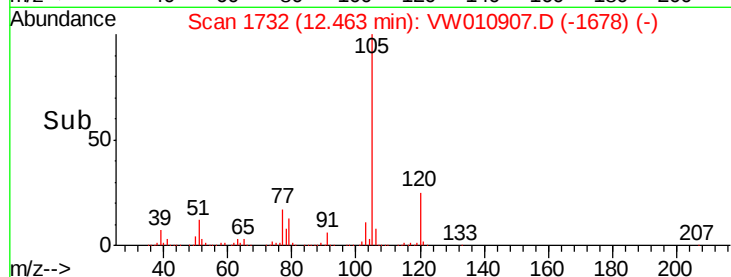
77 17.0 13.6 20.4



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: 26.450 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010907.D

Acq: 21 Jun 2019 22:02

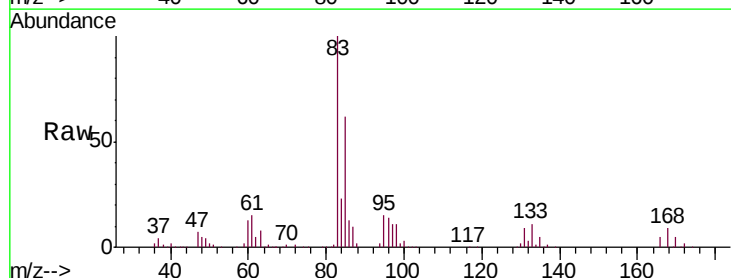
Tgt Ion: 83 Resp: 142137

Ion Ratio Lower Upper

83 100

85 62.5 43.8 81.3

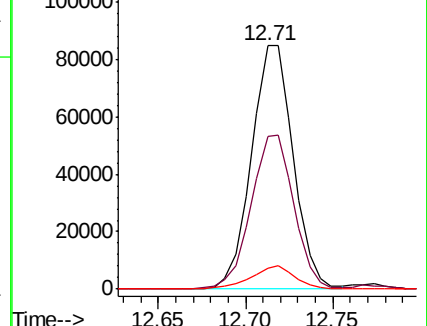
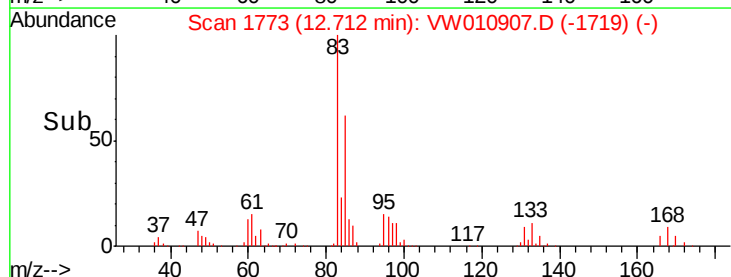
131 8.6 6.9 10.3

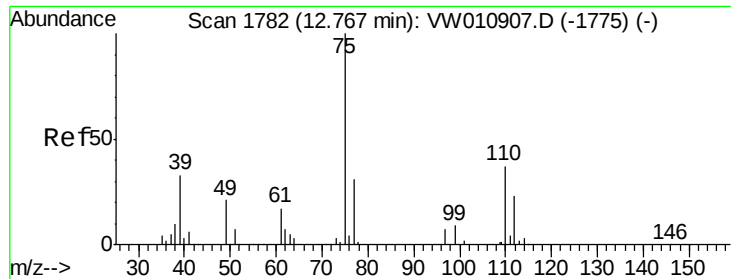


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 26.151 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW010907.D

Acq: 21 Jun 2019 22:02

Instrument :

MSVOA_W

ClientSampleId :

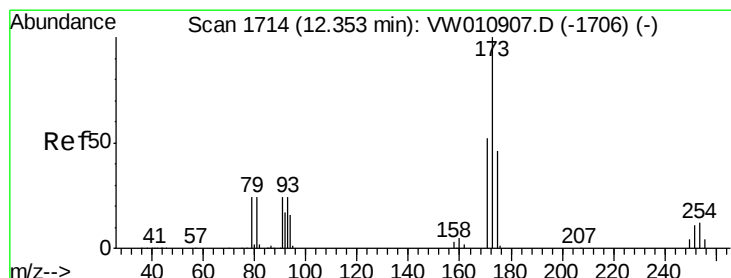
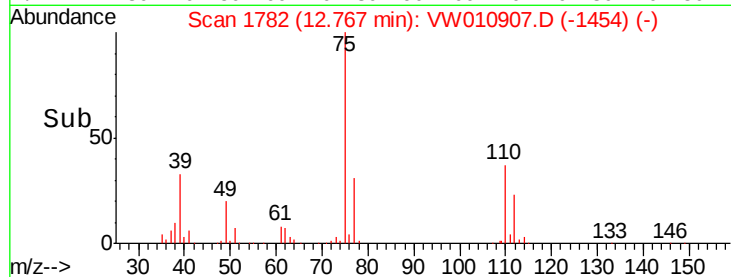
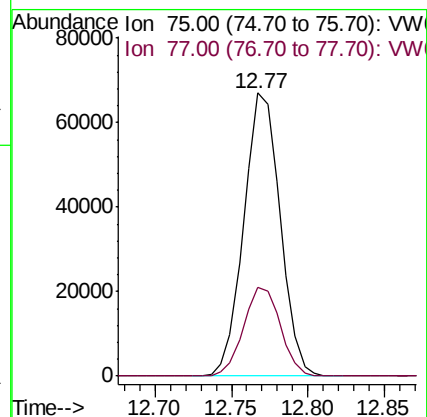
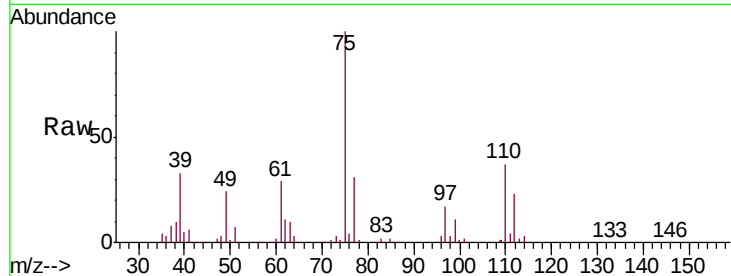
VSTD02503

Tgt Ion: 75 Resp: 110978

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.2



#62

Bromoform

Concen: 24.222 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW010907.D

Acq: 21 Jun 2019 22:02

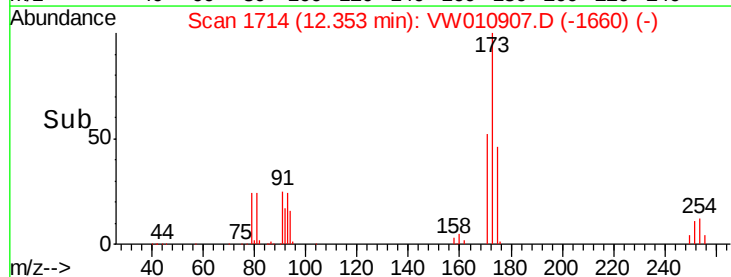
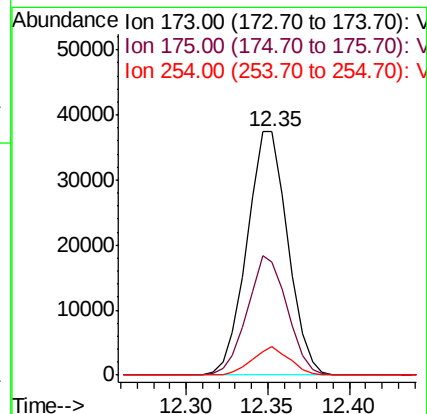
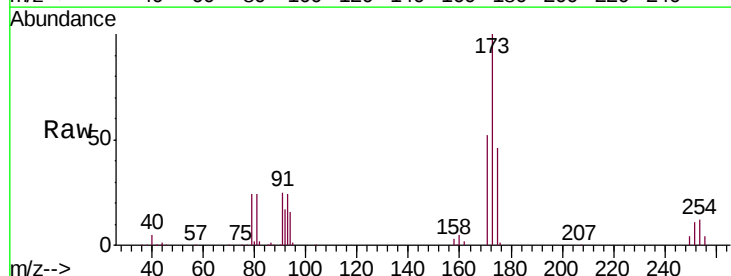
Tgt Ion: 173 Resp: 65243

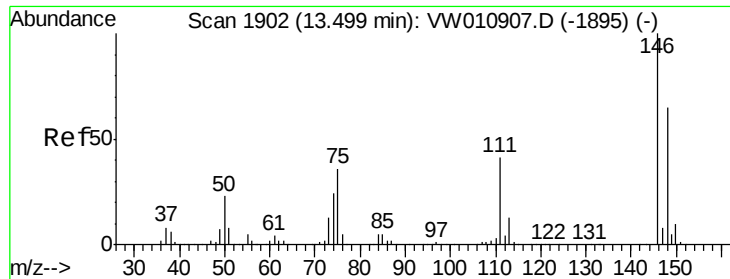
Ion Ratio Lower Upper

173 100

175 47.7 38.2 57.2

254 10.6 8.5 12.7

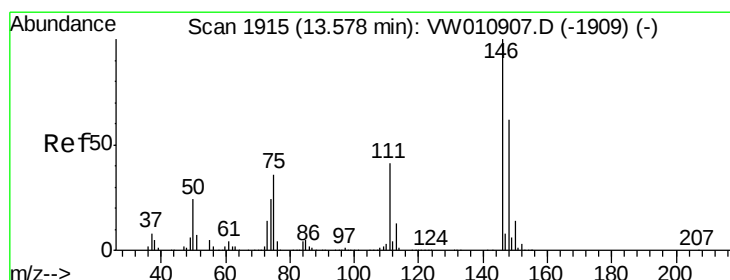
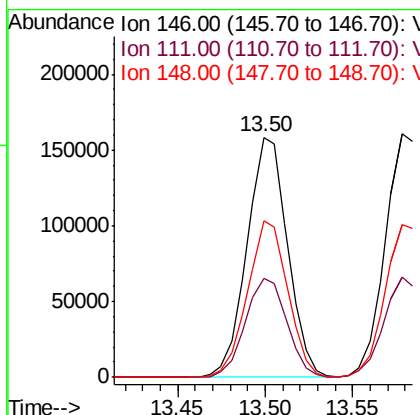
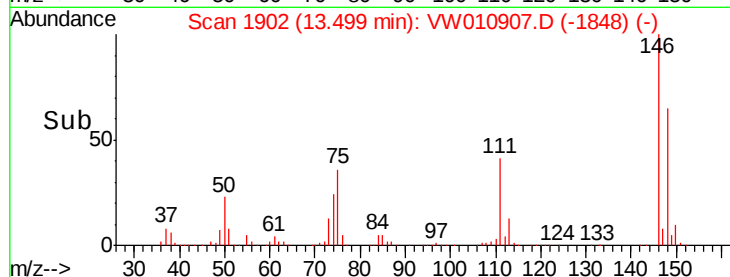
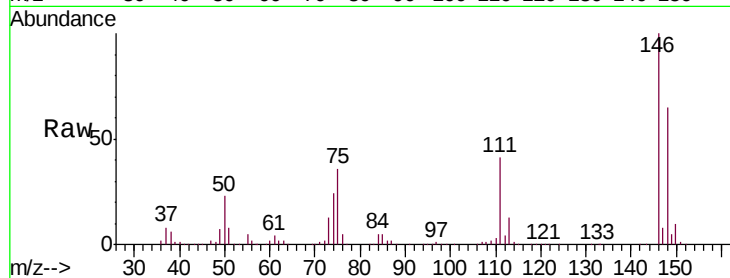




#63
 1,3-Dichlorobenzene
 Concen: 24.640 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010907.D
 Acq: 21 Jun 2019 22:02

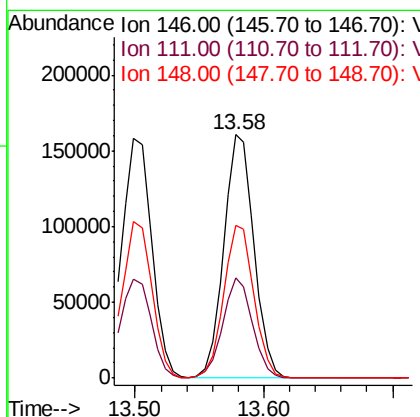
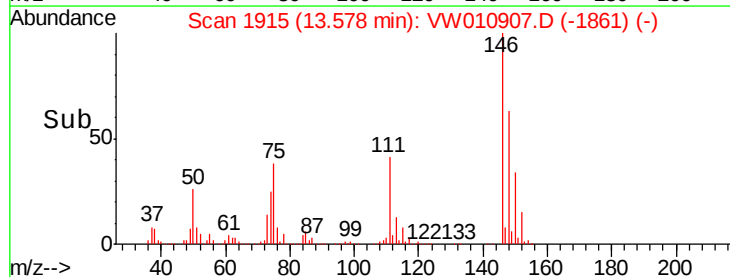
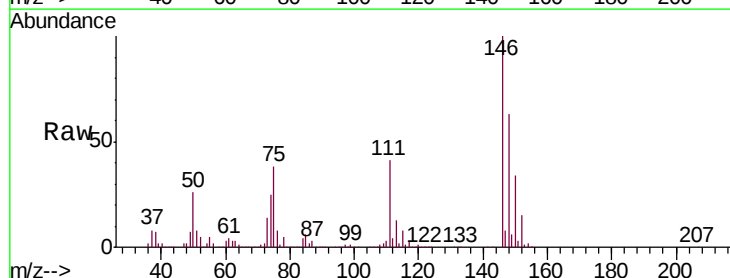
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

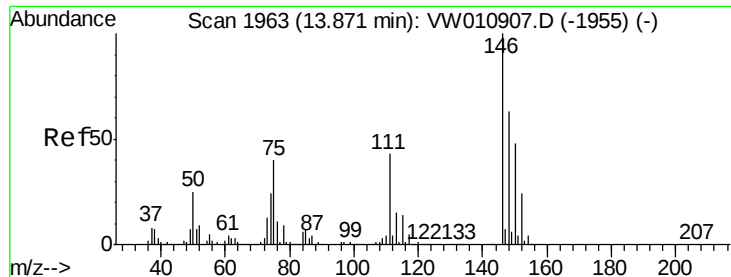
Tgt Ion:146 Resp: 255393
 Ion Ratio Lower Upper
 146 100
 111 41.2 28.8 53.6
 148 64.9 45.4 84.4



#64
 1,4-Dichlorobenzene
 Concen: 24.953 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW010907.D
 Acq: 21 Jun 2019 22:02

Tgt Ion:146 Resp: 263018
 Ion Ratio Lower Upper
 146 100
 111 41.0 28.7 53.3
 148 62.5 43.8 81.3

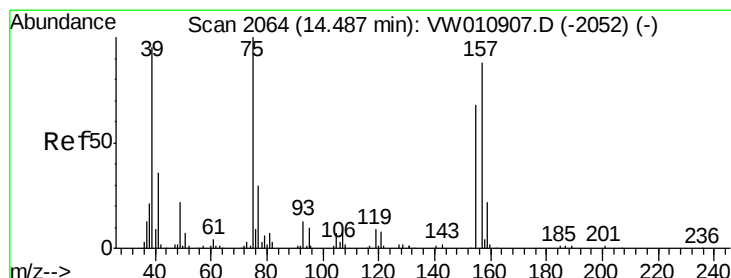
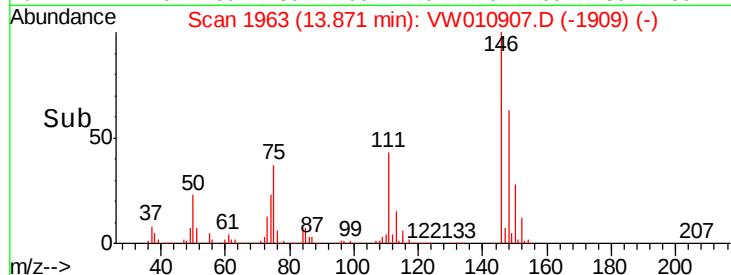
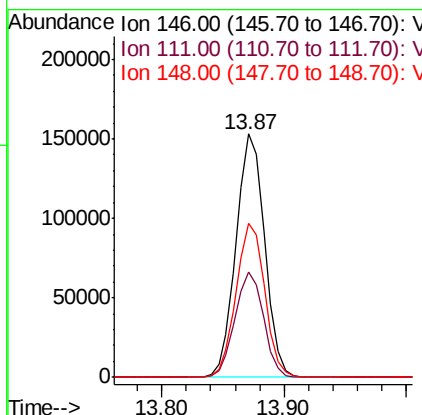
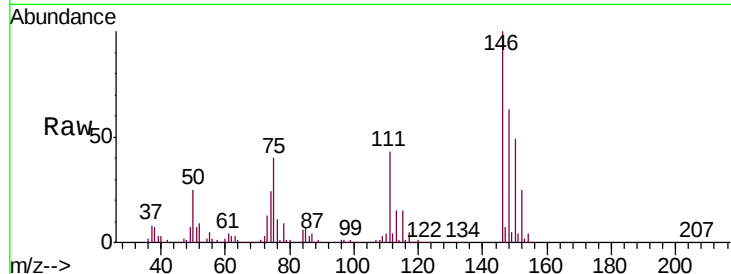




#65
 1,2-Dichlorobenzene
 Concen: 25.319 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010907.D
 Acq: 21 Jun 2019 22:02

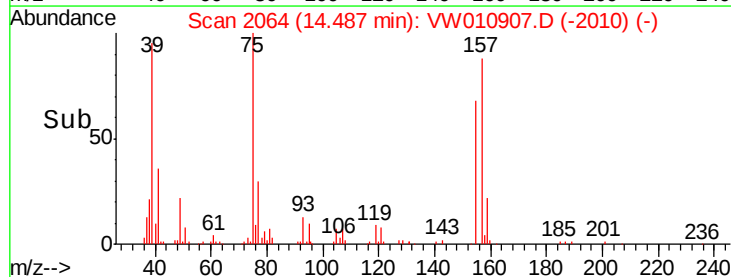
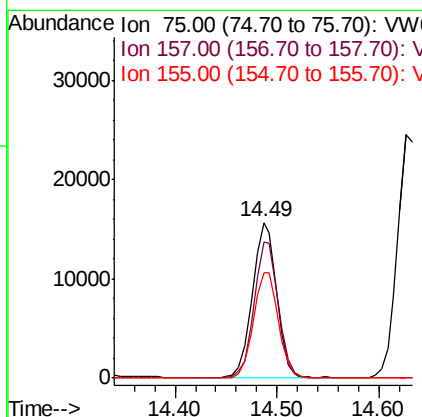
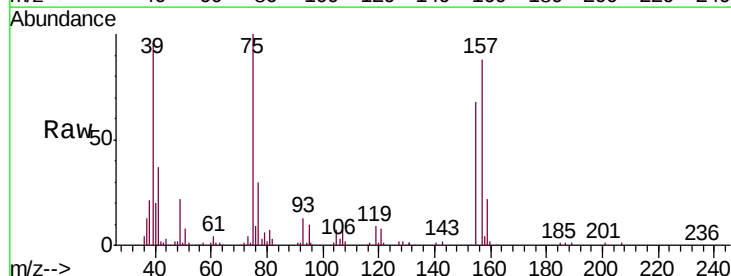
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

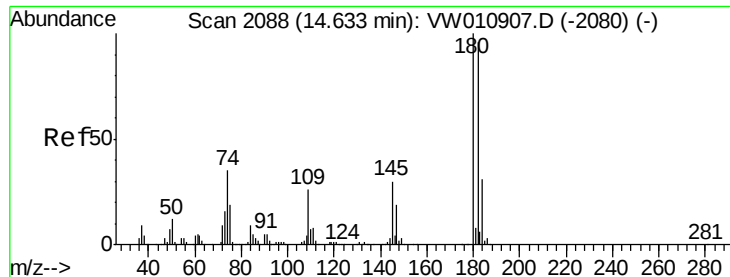
Tgt Ion: 146 Resp: 247170
 Ion Ratio Lower Upper
 146 100
 111 43.2 34.6 51.8
 148 63.3 50.6 76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 25.464 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010907.D
 Acq: 21 Jun 2019 22:02

Tgt Ion: 75 Resp: 26248
 Ion Ratio Lower Upper
 75 100
 157 87.6 70.1 105.1
 155 68.1 54.5 81.7

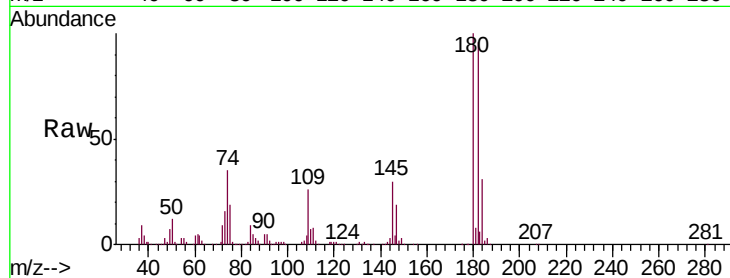




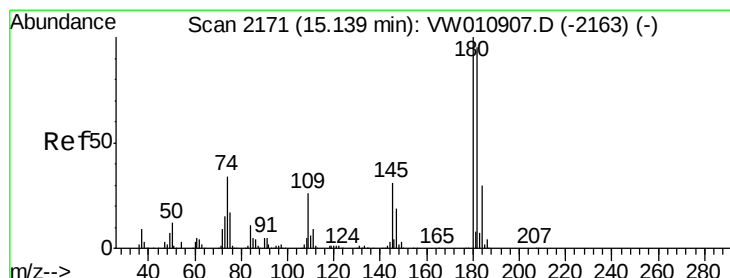
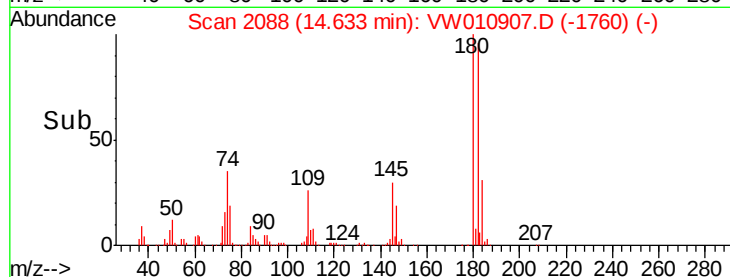
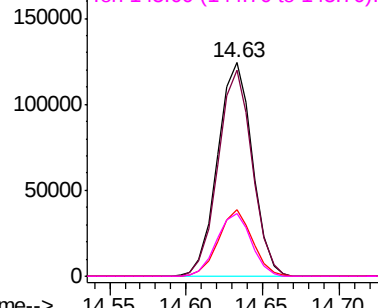
#67
 1,3,5-Trichlorobenzene
 Concen: 24.887 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW010907.D
 Acq: 21 Jun 2019 22:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

Tgt Ion:	180	Resp:	196027
Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.8	113.8
184	30.2	24.2	36.2
145	29.7	23.8	35.6

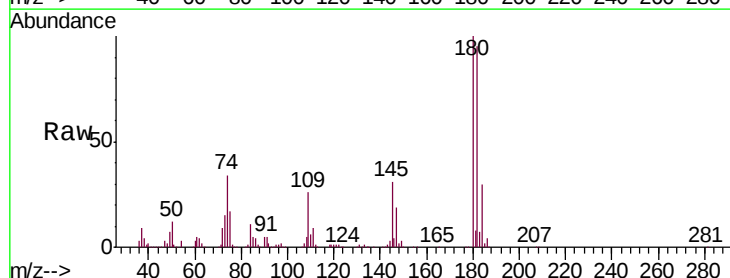


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

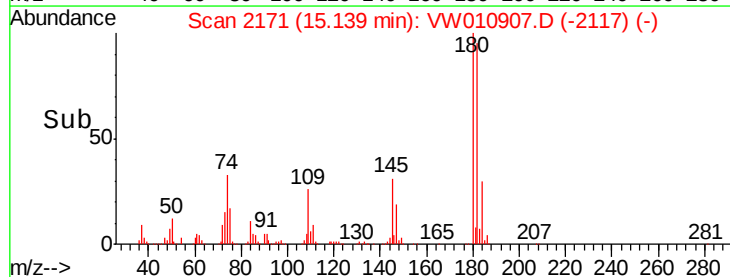
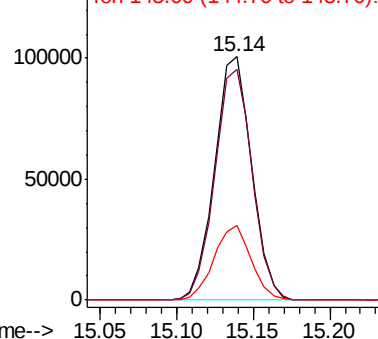


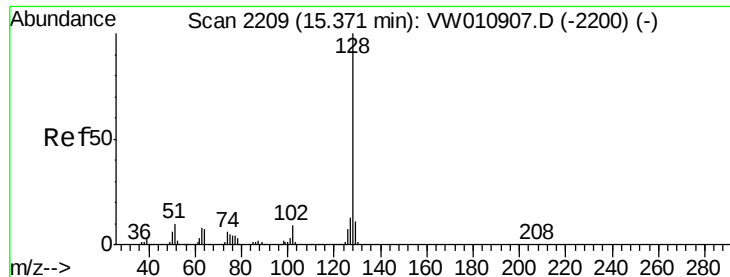
#68
 1,2,4-trichlorobenzene
 Concen: 25.745 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010907.D
 Acq: 21 Jun 2019 22:02

Tgt Ion:	180	Resp:	169390
Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.6	114.8
145	30.5	24.4	36.6



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





#69

Naphthalene

Concen: 28.188 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW010907.D

Acq: 21 Jun 2019 22:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

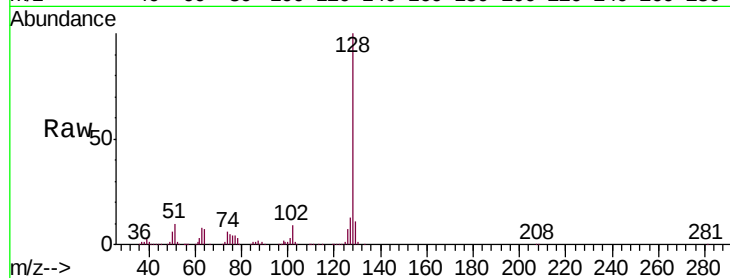
Tgt Ion:128 Resp: 398200

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

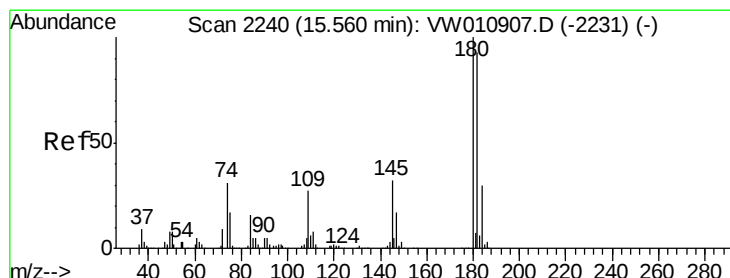
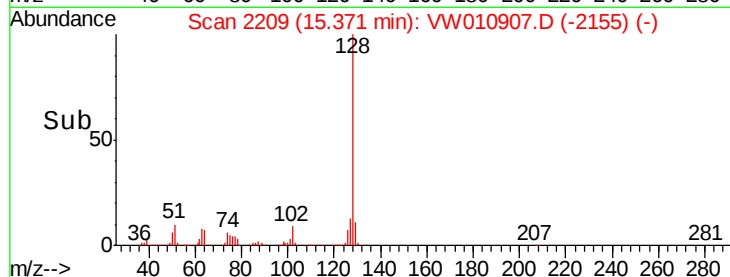
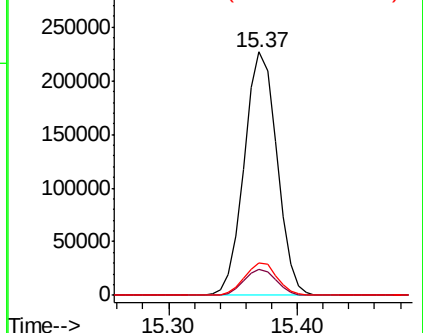
127 13.2 10.6 15.8



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: 26.745 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW010907.D

Acq: 21 Jun 2019 22:02

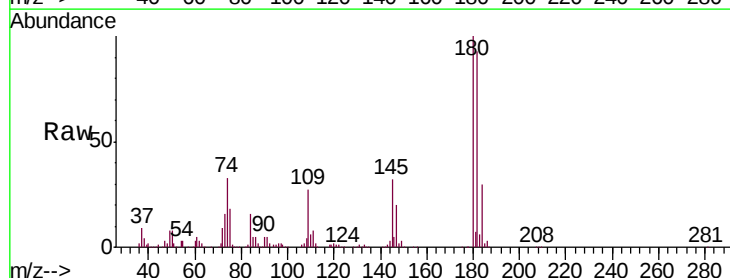
Tgt Ion:180 Resp: 159319

Ion Ratio Lower Upper

180 100

182 94.5 75.6 113.4

145 32.6 26.1 39.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

