

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW033019\
 Data File : VW009603.D
 Acq On : 30 Mar 2019 21:48
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02505

Quant Time: Mar 30 22:50:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 30 21:16:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	412591	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	404652	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	213792	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	84748	17.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	68.76%
7) Chloroethane-d5	2.89	69	95100	16.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	65.92%
10) 1,1-Dichloroethene-d2	4.01	63	206895	19.42	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	77.68%
20) 2-Butanone-d5	7.07	46	128749	63.14	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	126.28%
24) Chloroform-d	7.64	84	263193	23.37	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.48%
26) 1,2-Dichloroethane-d4	8.31	65	169997	25.06	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.24%
29) Benzene-d6	8.27	84	456059	20.44	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	81.76%
33) 1,2-Dichloropropane-d6	9.27	67	150857	22.51	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.04%
37) Toluene-d8	10.32	98	416101	20.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	80.68%
38) trans-1,3-Dichloropropene-	10.57	79	70561	20.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	83.84%
39) 2-Hexanone-d5	10.92	63	96767	59.61	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	119.22%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	189414	28.69	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	114.76%
61) 1,2-Dichlorobenzene-d4	13.85	152	176415	21.52	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	86.08%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	105567	19.423 ug/L	98
3) Chloromethane	2.21	50	144649	25.084 ug/L	99
5) Vinyl chloride	2.37	62	172264	29.023 ug/L	98
6) Bromomethane	2.77	94	120084	24.149 ug/L	99
8) Chloroethane	2.93	64	117846	23.998 ug/L	89
9) Trichlorofluoromethane	3.25	101	89422	19.073 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.04	101	128194	23.676 ug/L	97
12) 1,1-Dichloroethene	4.03	96	127509	25.097 ug/L	81
13) Acetone	4.12	43	80000	47.843 ug/L	99
14) Carbon disulfide	4.37	76	319296	23.351 ug/L	100
15) Methyl Acetate	4.67	43	103476	31.500 ug/L	100
16) Methylene chloride	4.92	84	144948	24.091 ug/L	94
17) Methyl tert-butyl Ether	5.42	73	193796	26.958 ug/L	98
18) trans-1,2-Dichloroethene	5.41	96	134643	25.206 ug/L	93
19) 1,1-Dichloroethane	6.20	63	275410	28.277 ug/L	97
21) 2-Butanone	7.17	43	147125	63.724 ug/L	98
22) cis-1,2-Dichloroethene	7.16	96	159209	27.513 ug/L	98

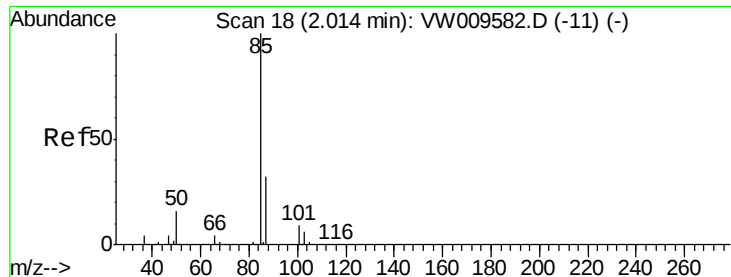
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW033019\
 Data File : VW009603.D
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 Quant Title : VOC Analysis
 QLast Update : Sat Mar 30 21:16:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	76999	27.743	ug/L	91
25) Chloroform	7.66	83	295587	28.979	ug/L	100
27) 1,2-Dichloroethane	8.40	62	236030	31.037	ug/L	96
30) Cyclohexane	7.95	56	210866	22.945	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	203192	25.142	ug/L	98
32) Carbon tetrachloride	8.06	117	209998	25.754	ug/L	99
34) Benzene	8.32	78	608383	27.468	ug/L	100
35) Trichloroethene	9.09	95	151895	25.738	ug/L	98
36) Methylcyclohexane	9.33	83	240216	23.526	ug/L	98
40) 1,2-Dichloropropane	9.37	63	161965	28.498	ug/L	98
41) Bromodichloromethane	9.64	83	228942	29.072	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	246447	26.623	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	331884	64.443	ug/L	99
44) Toluene	10.38	91	651951	26.922	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	218799	27.172	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	133545	29.453	ug/L	97
47) Tetrachloroethene	10.86	164	117945	23.652	ug/L	97
49) 2-Hexanone	10.97	43	245961	67.809	ug/L	98
50) Dibromochloromethane	11.13	129	162252	28.988	ug/L	96
51) 1,2-Dibromoethane	11.23	107	131713	28.654	ug/L	99
52) Chlorobenzene	11.66	112	425606	27.402	ug/L	99
53) Ethylbenzene	11.73	91	745865	27.396	ug/L	98
54) m,p-Xylene	11.84	106	280561	27.124	ug/L	97
55) o-xylene	12.16	106	276370	27.388	ug/L	98
56) Styrene	12.18	104	490885	28.512	ug/L	98
57) Isopropylbenzene	12.46	105	740186	27.383	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	193650	31.658	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	145806	32.119	ug/L	100
62) Bromoform	12.35	173	103562	28.669	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	329849	25.887	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	350611	26.615	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	332041	27.325	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	37662	31.625	ug/L	87
67) 1,3,5-Trichlorobenzene	14.63	180	244197	24.571	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	210657	25.234	ug/L	100
69) Naphthalene	15.37	128	511529	29.555	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	210790	26.959	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 19.423 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW009603.D

Acq: 30 Mar 2019 21:48

Instrument :

MSVOA_W

ClientSampleId :

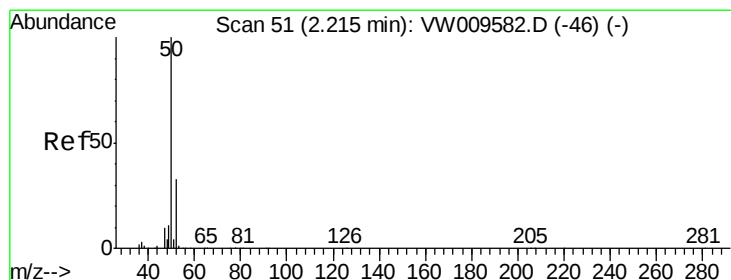
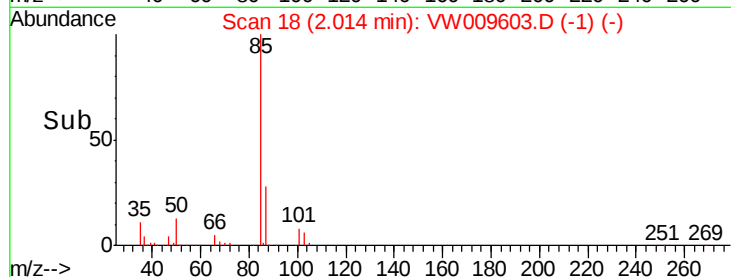
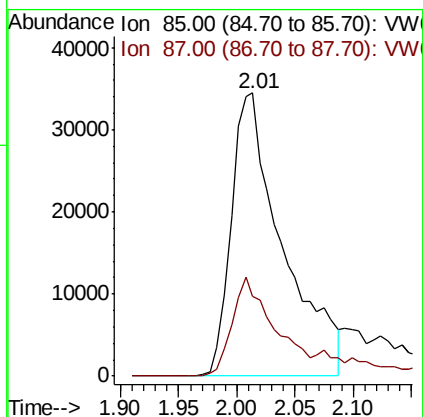
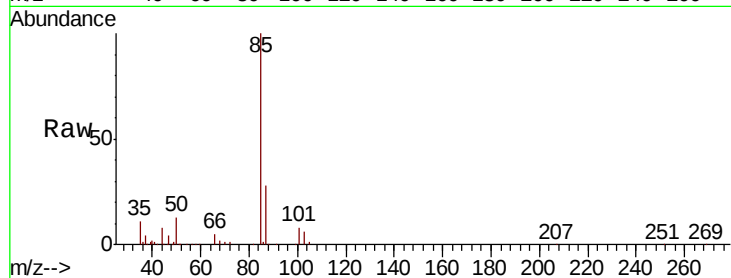
VSTD02505

Tgt Ion: 85 Resp: 105567

Ion Ratio Lower Upper

85 100

87 28.9 19.5 36.3



#3

Chloromethane

Concen: 25.084 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW009603.D

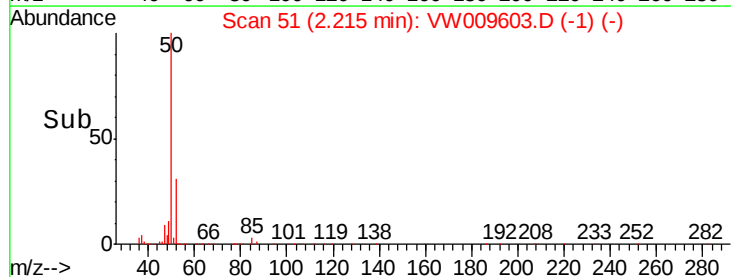
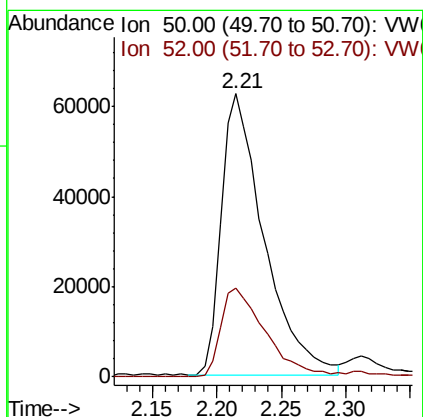
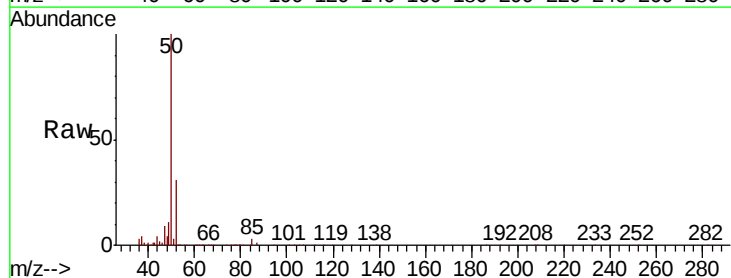
Acq: 30 Mar 2019 21:48

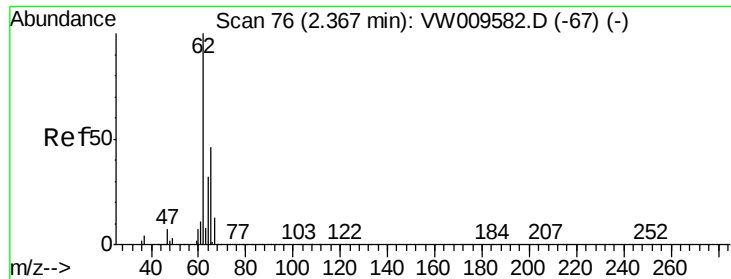
Tgt Ion: 50 Resp: 144649

Ion Ratio Lower Upper

50 100

52 31.3 21.6 40.2





#5

Vinyl chloride

Concen: 29.023 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW009603.D

Acq: 30 Mar 2019 21:48

Instrument :

MSVOA_W

ClientSampleId :

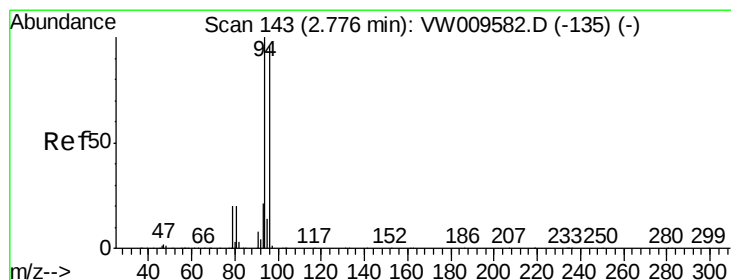
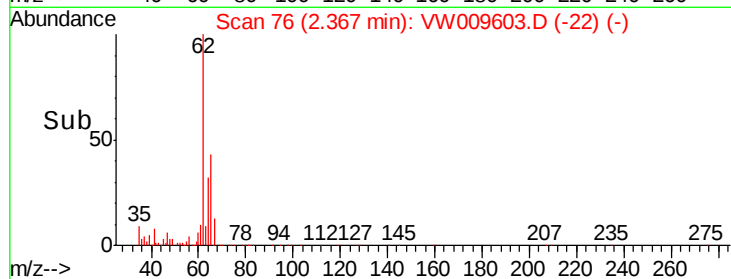
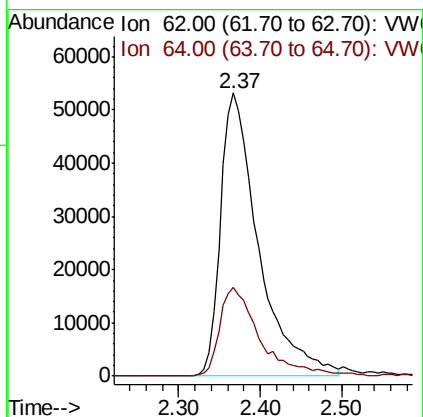
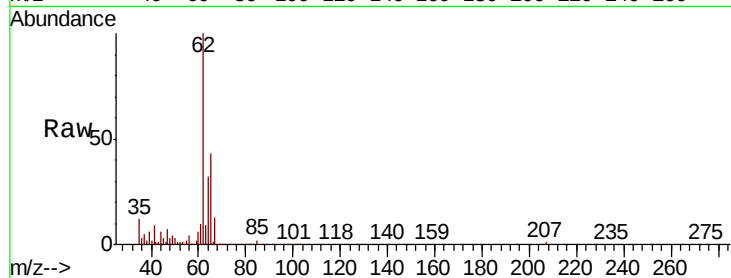
VSTD02505

Tgt Ion: 62 Resp: 172264

Ion Ratio Lower Upper

62 100

64 31.6 23.0 42.6



#6

Bromomethane

Concen: 24.149 ug/L

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW009603.D

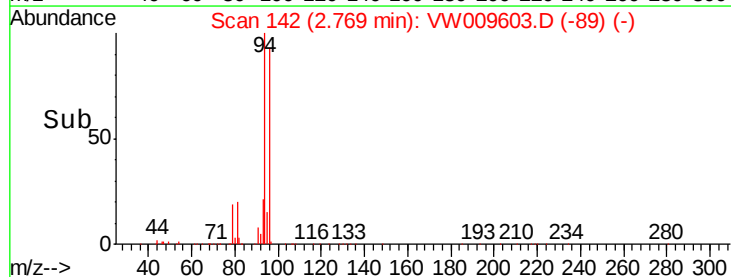
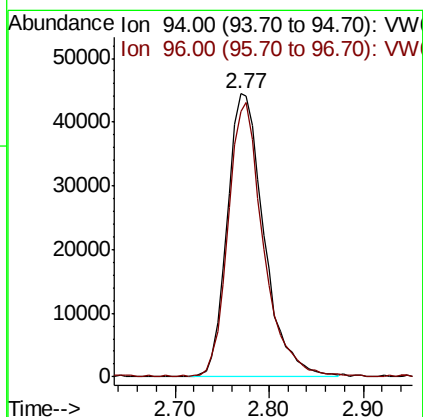
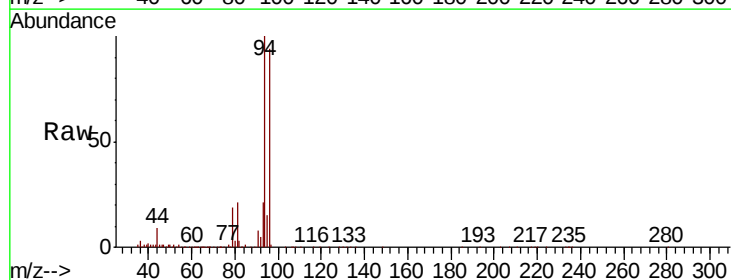
Acq: 30 Mar 2019 21:48

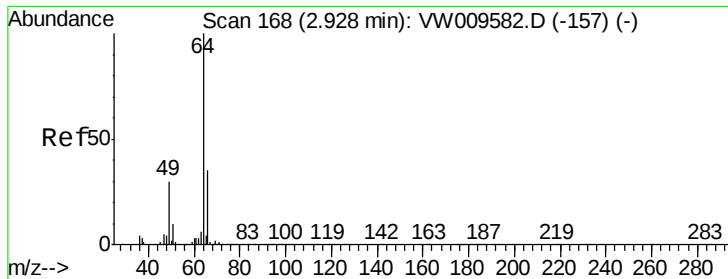
Tgt Ion: 94 Resp: 120084

Ion Ratio Lower Upper

94 100

96 93.0 9.4 178.4





#8

Chloroethane

Concen: 23.998 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW009603.D

Acq: 30 Mar 2019 21:48

Instrument :

MSVOA_W

ClientSampleId :

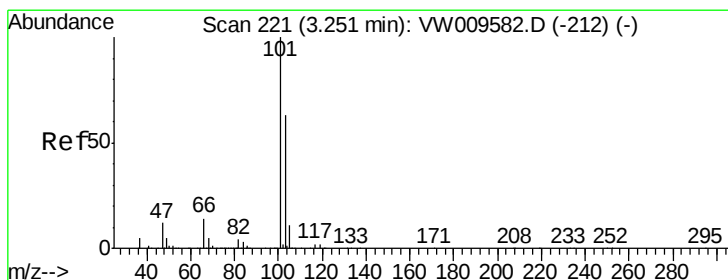
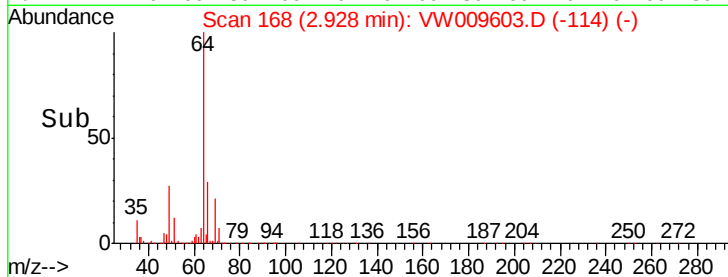
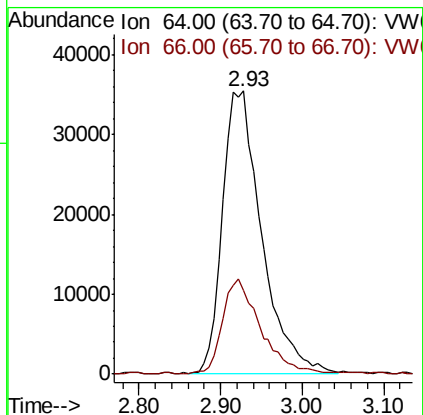
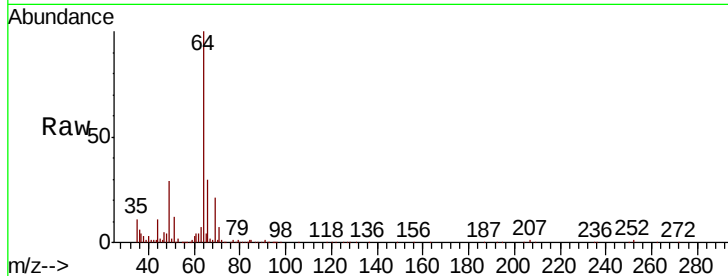
VSTD02505

Tgt Ion: 64 Resp: 117846

Ion Ratio Lower Upper

64 100

66 29.6 25.1 46.7



#9

Trichlorofluoromethane

Concen: 19.073 ug/L

RT: 3.25 min Scan# 221

Delta R.T. 0.00 min

Lab File: VW009603.D

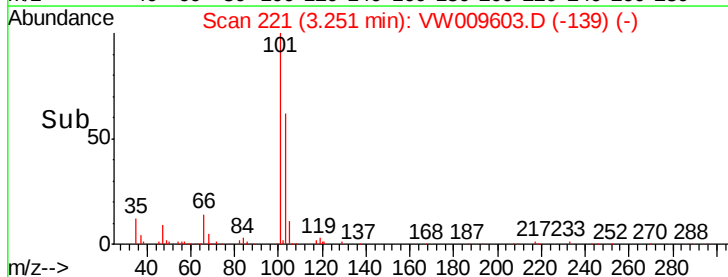
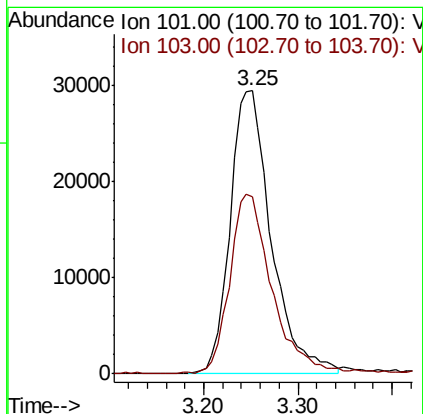
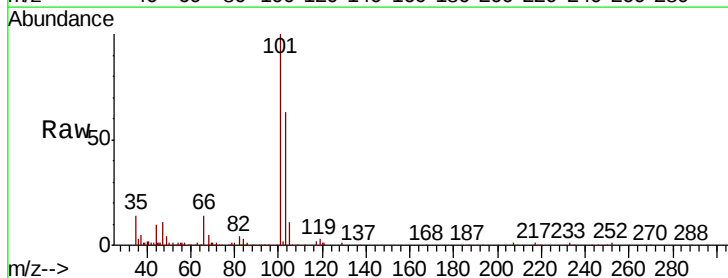
Acq: 30 Mar 2019 21:48

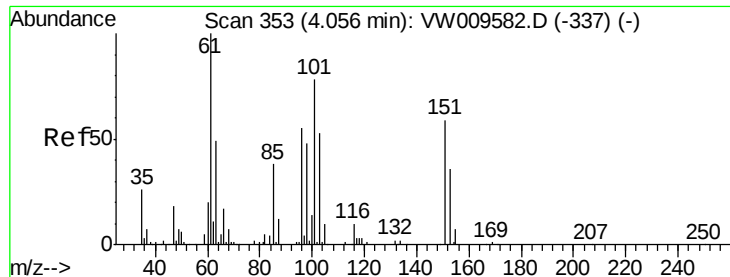
Tgt Ion: 101 Resp: 89422

Ion Ratio Lower Upper

101 100

103 64.0 45.0 83.6





#11

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

Concen: 23.676 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.01 min

Lab File: VW009603.D

Acq: 30 Mar 2019 21:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD02505

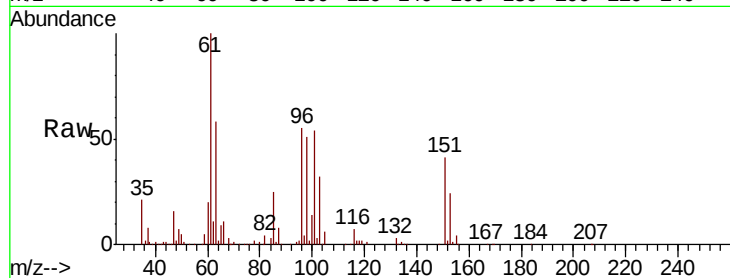
Tgt Ion: 101 Resp: 128194

Ion Ratio Lower Upper

101 100

85 42.9 32.6 48.8

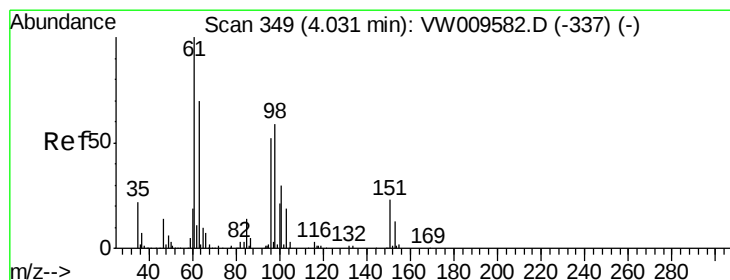
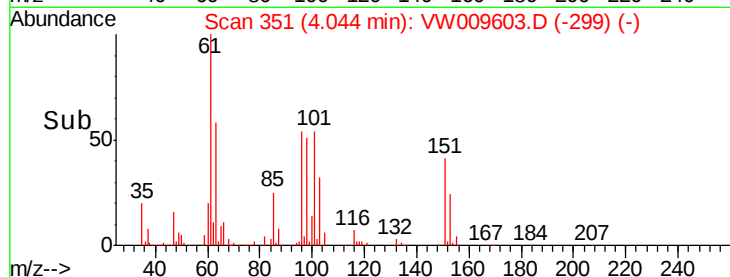
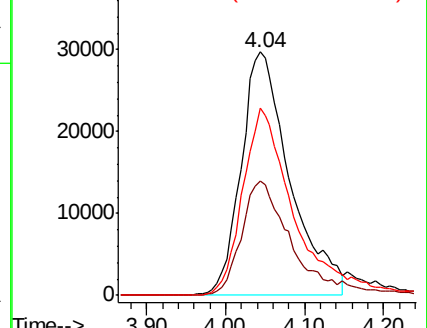
151 76.3 63.3 94.9



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: 25.097 ug/L

RT: 4.03 min Scan# 349

Delta R.T. 0.00 min

Lab File: VW009603.D

Acq: 30 Mar 2019 21:48

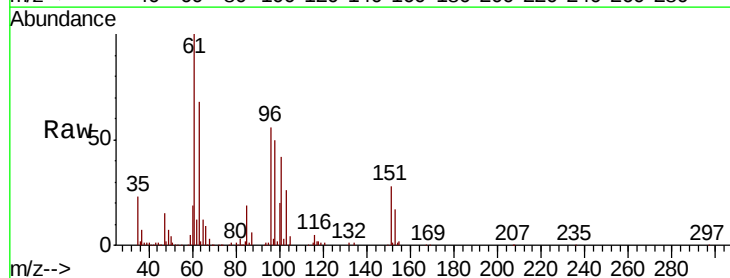
Tgt Ion: 96 Resp: 127509

Ion Ratio Lower Upper

96 100

61 178.2 129.4 240.2

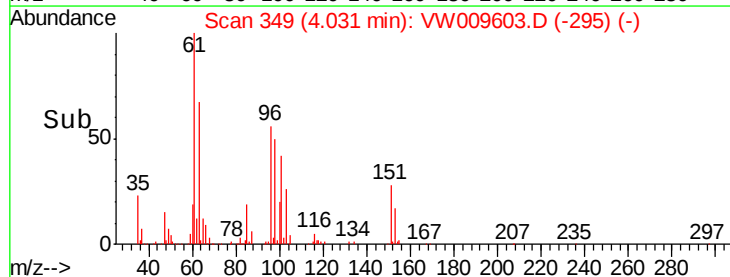
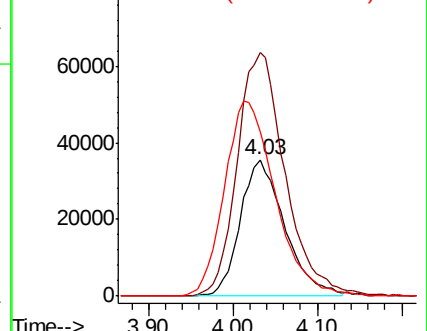
63 120.5 116.8 217.0

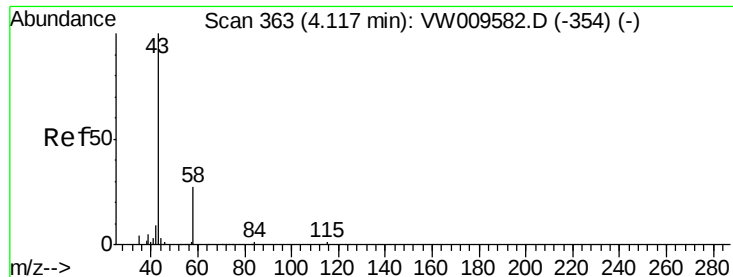


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

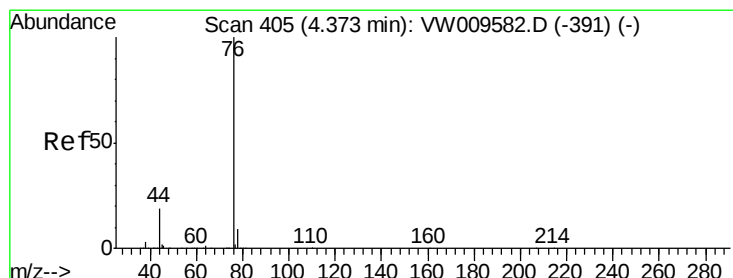
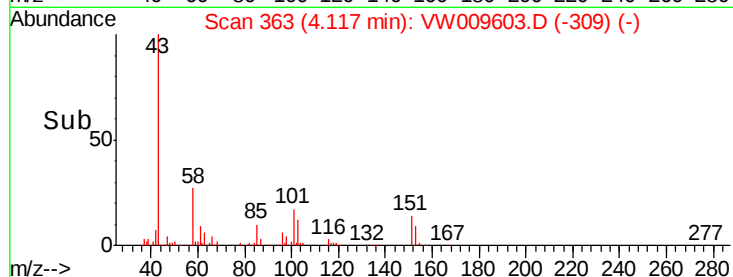
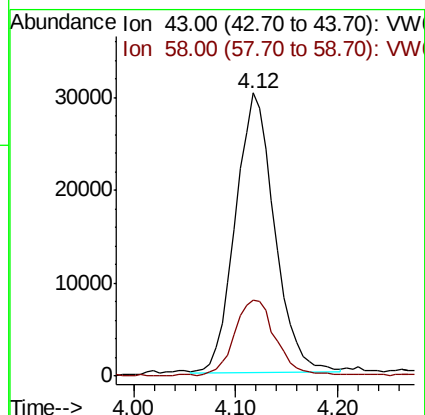
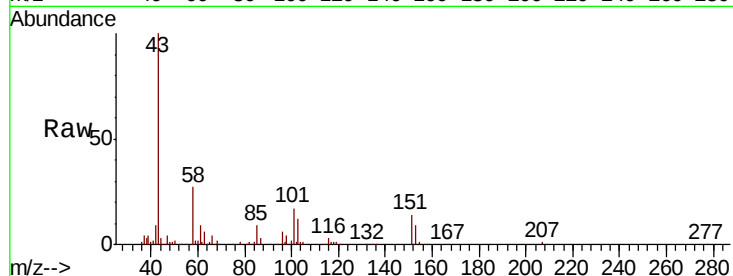




#13
Acetone
Concen: 47.843 ug/L
RT: 4.12 min Scan# 363
Delta R.T. 0.00 min
Lab File: VW009603.D
Acq: 30 Mar 2019 21:48

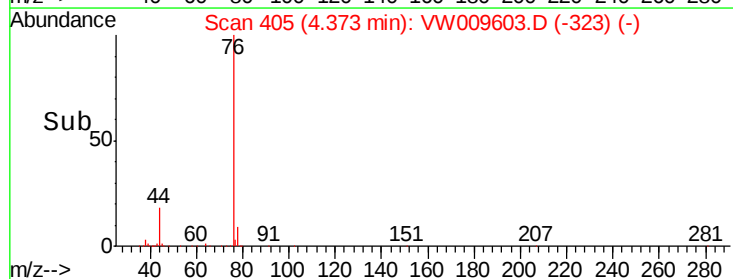
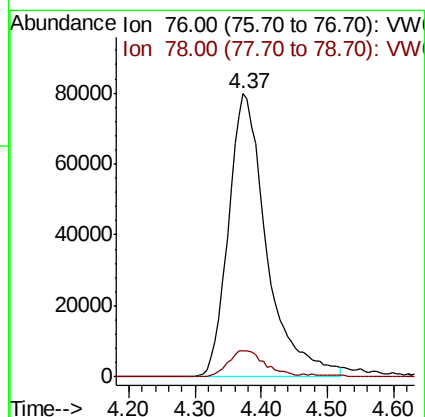
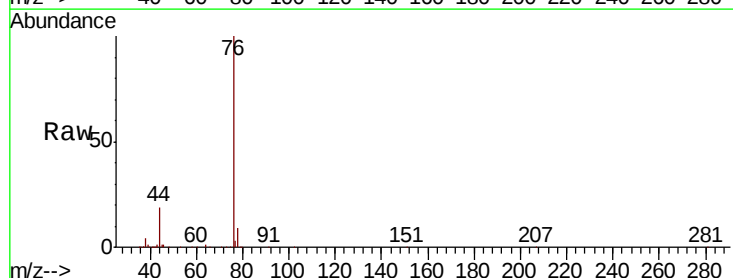
Instrument :
MSVOA_W
ClientSampleId :
VSTD02505

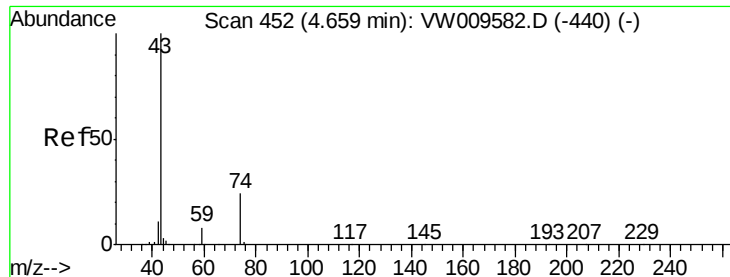
Tgt Ion: 43 Resp: 80000
Ion Ratio Lower Upper
43 100
58 28.8 0.0 56.2



#14
Carbon disulfide
Concen: 23.351 ug/L
RT: 4.37 min Scan# 405
Delta R.T. 0.00 min
Lab File: VW009603.D
Acq: 30 Mar 2019 21:48

Tgt Ion: 76 Resp: 319296
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9

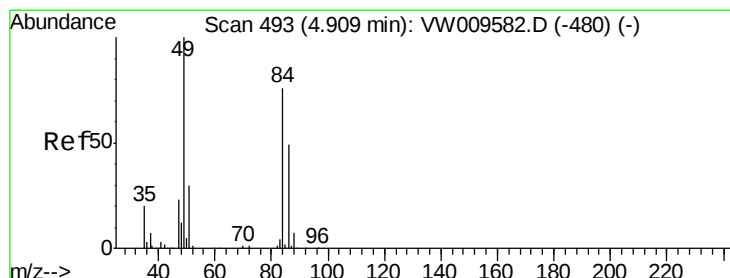
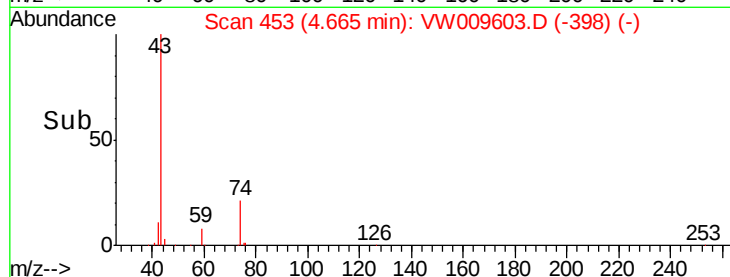
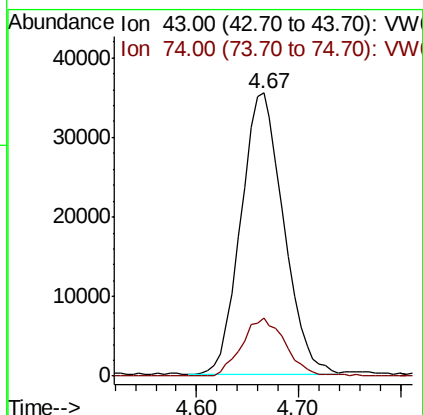
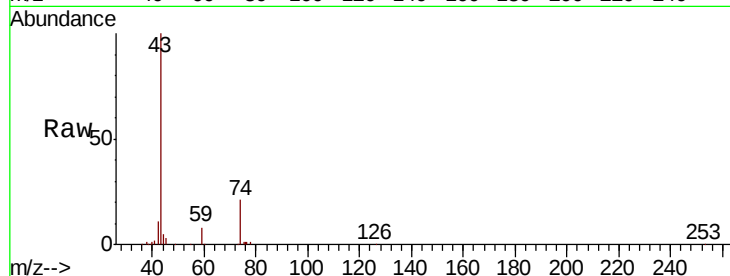




#15
Methyl Acetate
Concen: 31.500 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.01 min
Lab File: VW009603.D
Acq: 30 Mar 2019 21:48

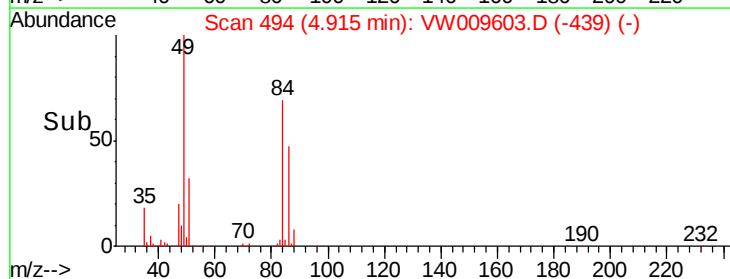
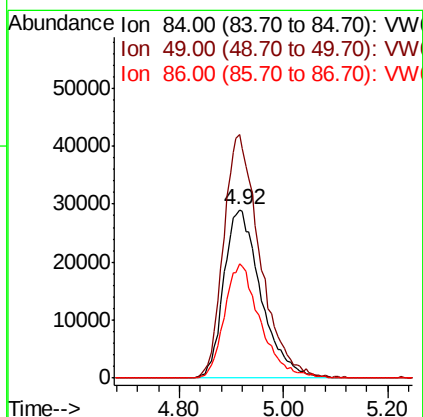
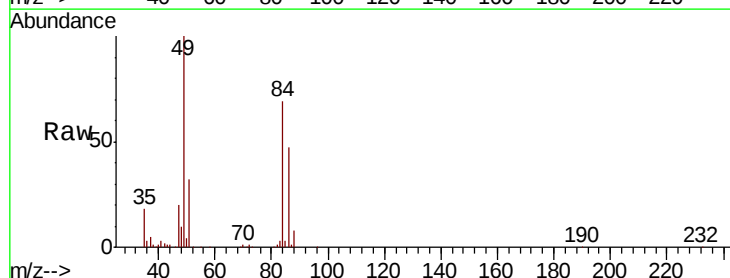
Instrument :
MSVOA_W
ClientSampleId :
VSTD02505

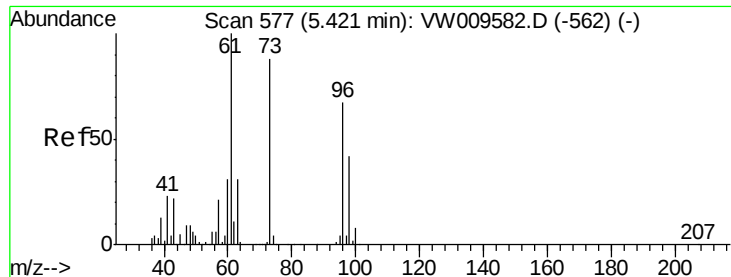
Tgt Ion: 43 Resp: 103476
Ion Ratio Lower Upper
43 100
74 20.9 16.7 25.1



#16
Methylene chloride
Concen: 24.091 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW009603.D
Acq: 30 Mar 2019 21:48

Tgt Ion: 84 Resp: 144948
Ion Ratio Lower Upper
84 100
49 144.6 96.0 178.2
86 67.9 44.4 82.5

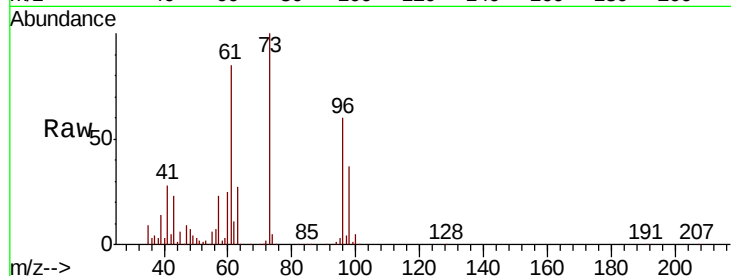




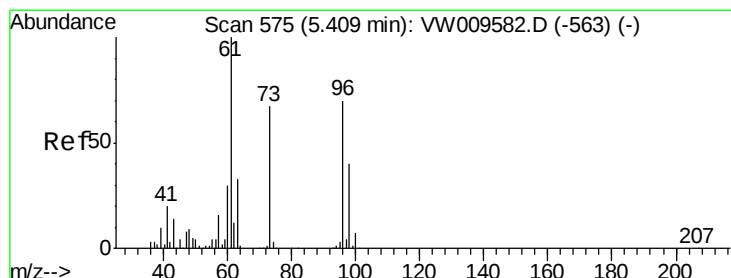
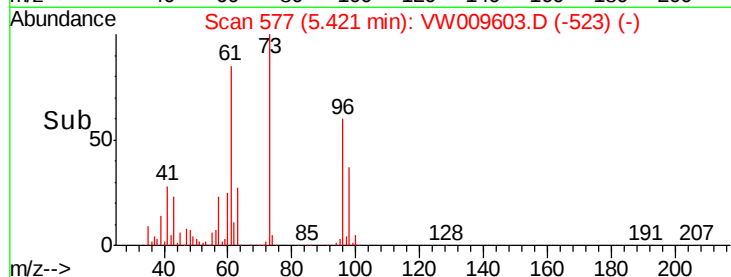
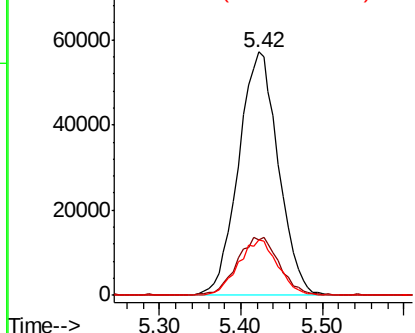
#17
Methyl tert-butyl Ether
Concen: 26.958 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW009603.D
Acq: 30 Mar 2019 21:48

Instrument :
MSVOA_W
ClientSampled :
VSTD02505

Tgt Ion: 73 Resp: 193796
Ion Ratio Lower Upper
73 100
43 24.7 18.2 27.4
57 22.6 17.8 26.8

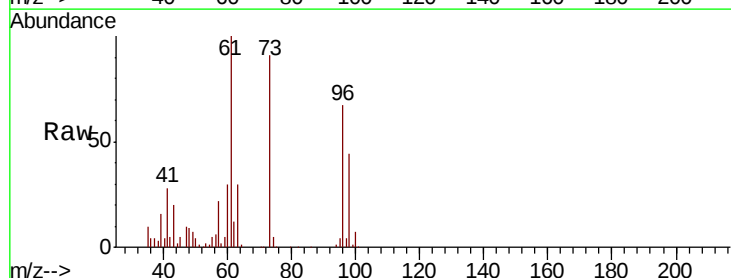


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

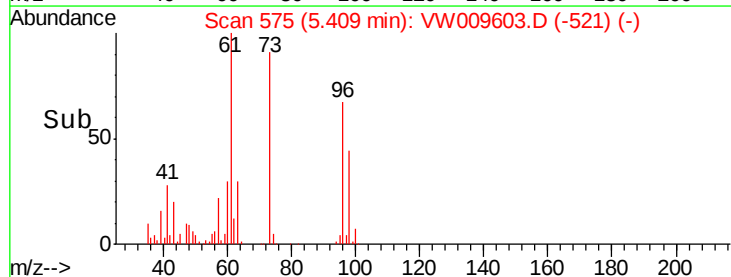
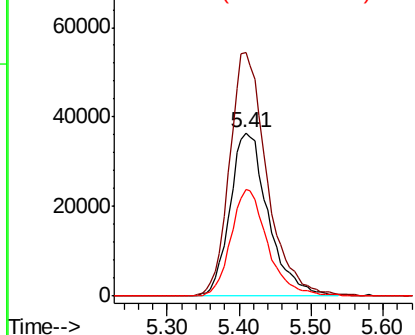


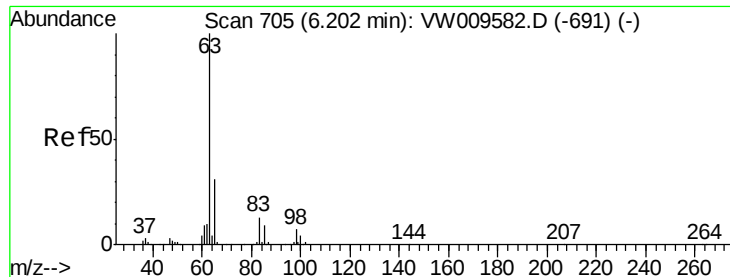
#18
trans-1,2-Dichloroethene
Concen: 25.206 ug/L
RT: 5.41 min Scan# 575
Delta R.T. 0.00 min
Lab File: VW009603.D
Acq: 30 Mar 2019 21:48

Tgt Ion: 96 Resp: 134643
Ion Ratio Lower Upper
96 100
61 149.0 96.7 179.5
98 65.6 43.8 81.4



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

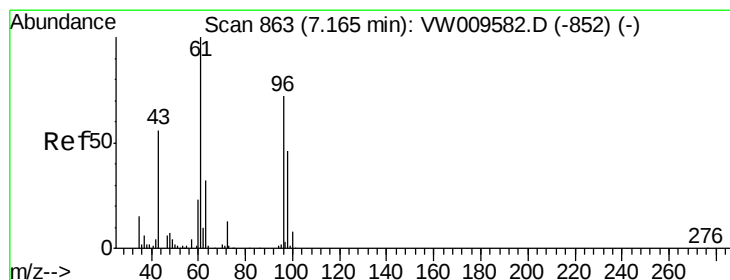
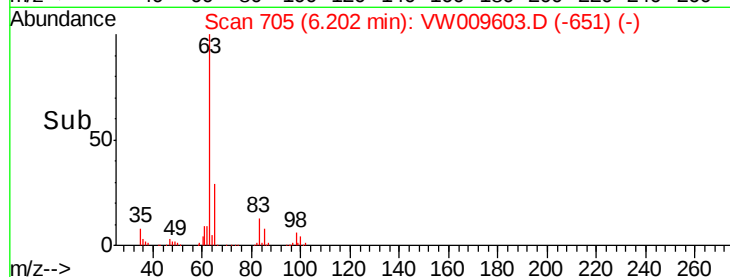
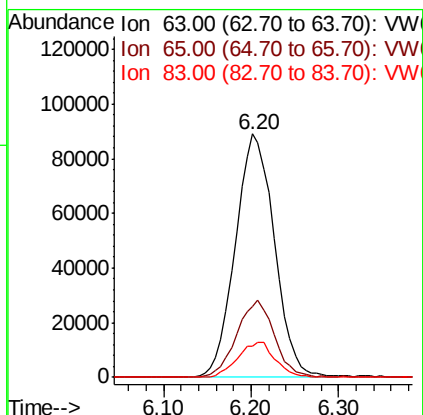
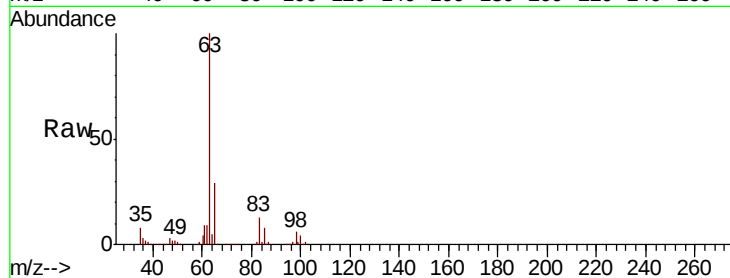




#19
 1,1-Dichloroethane
 Concen: 28.277 ug/L
 RT: 6.20 min Scan# 705
 Delta R.T. 0.00 min
 Lab File: VW009603.D
 Acq: 30 Mar 2019 21:48

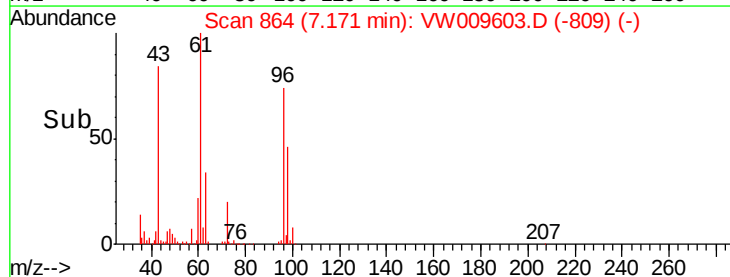
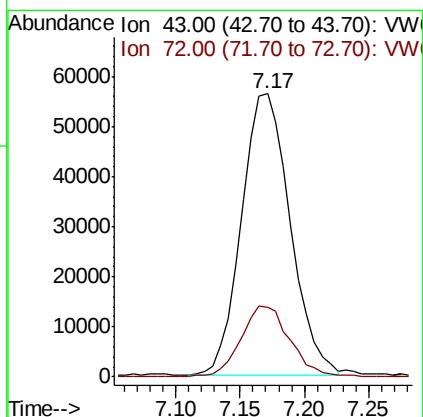
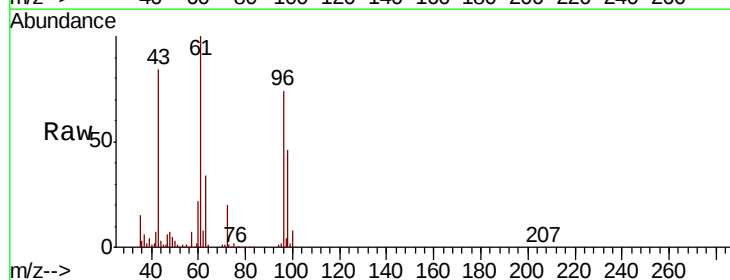
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02505

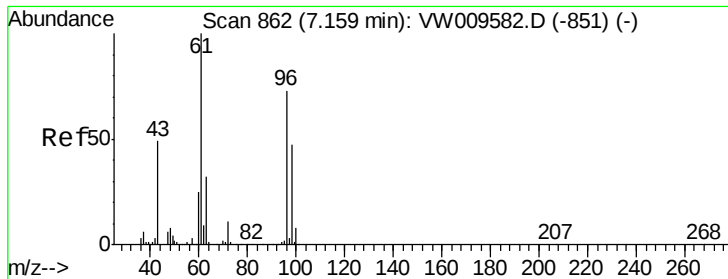
Tgt Ion: 63 Resp: 275410
 Ion Ratio Lower Upper
 63 100
 65 29.3 21.6 40.0
 83 12.8 10.1 18.7



#21
 2-Butanone
 Concen: 63.724 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW009603.D
 Acq: 30 Mar 2019 21:48

Tgt Ion: 43 Resp: 147125
 Ion Ratio Lower Upper
 43 100
 72 25.1 13.1 39.1



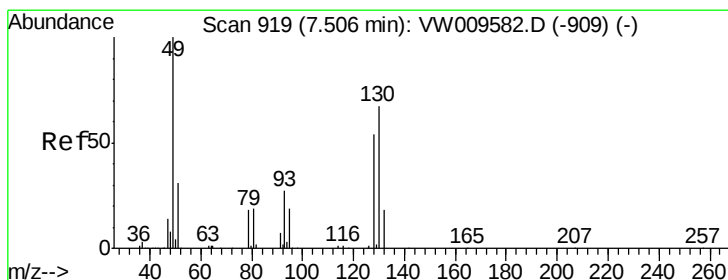
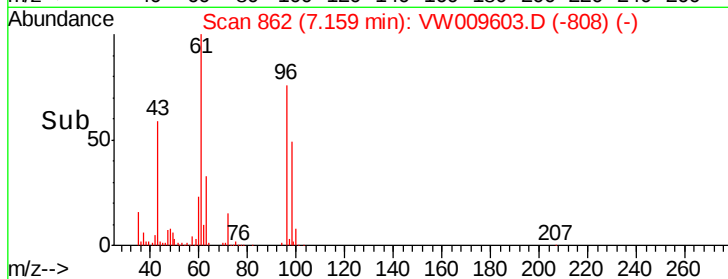
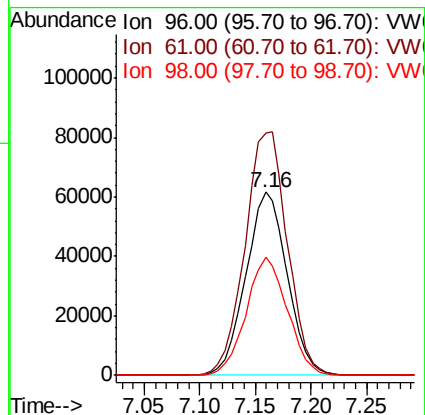
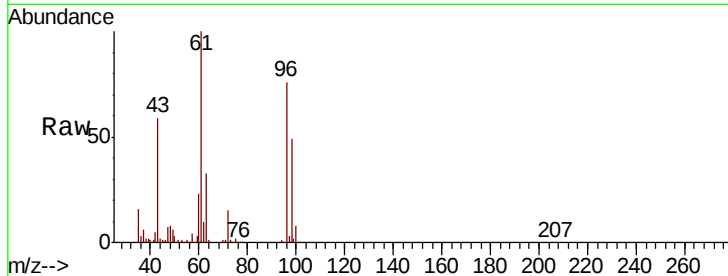


#22

cis-1,2-Dichloroethene
Concen: 27.513 ug/L
RT: 7.16 min Scan# 862
Delta R.T. 0.00 min
Lab File: VW009603.D
Acq: 30 Mar 2019 21:48

Instrument :
MSVOA_W
ClientSampleId :
VSTD02505

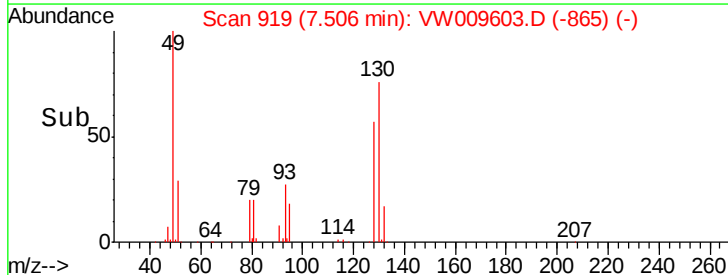
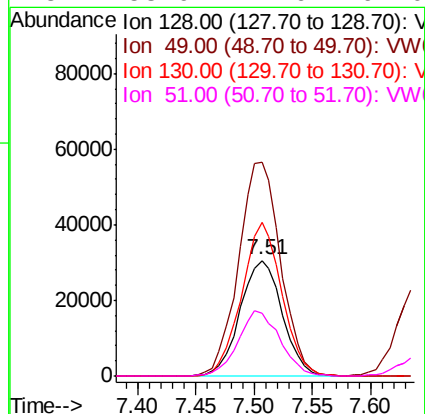
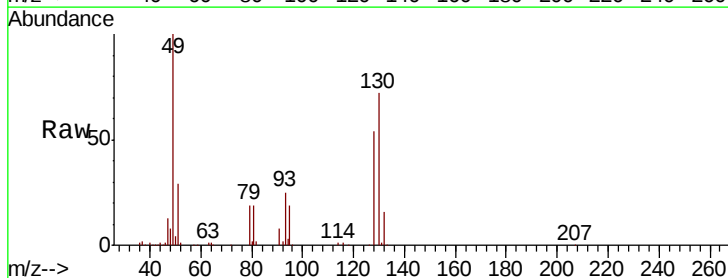
Tgt Ion: 96 Resp: 159209
Ion Ratio Lower Upper
96 100
61 132.0 90.6 168.3
98 64.5 44.0 81.8

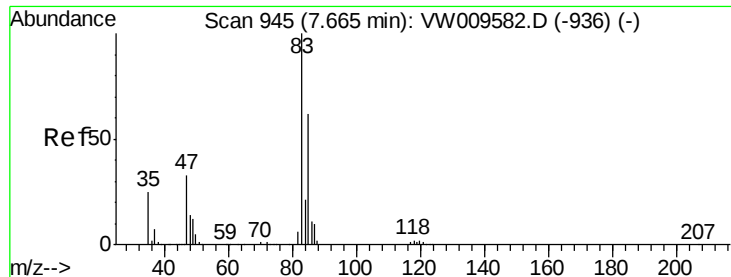


#23

Bromochloromethane
Concen: 27.743 ug/L
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW009603.D
Acq: 30 Mar 2019 21:48

Tgt Ion: 128 Resp: 76999
Ion Ratio Lower Upper
128 100
49 185.0 118.4 219.8
130 133.6 87.8 163.2
51 53.9 44.6 67.0





#25

Chloroform

Concen: 28.979 ug/L

RT: 7.66 min Scan# 945

Delta R.T. 0.00 min

Lab File: VW009603.D

Acq: 30 Mar 2019 21:48

Instrument :

MSVOA_W

ClientSampleId :

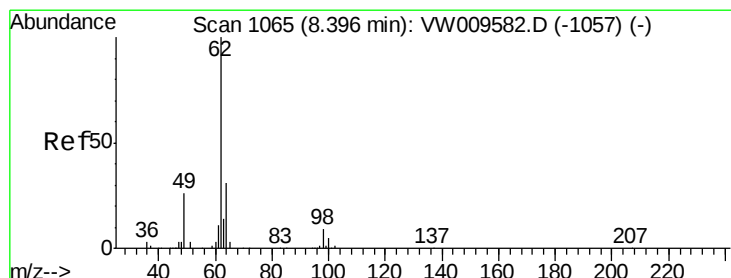
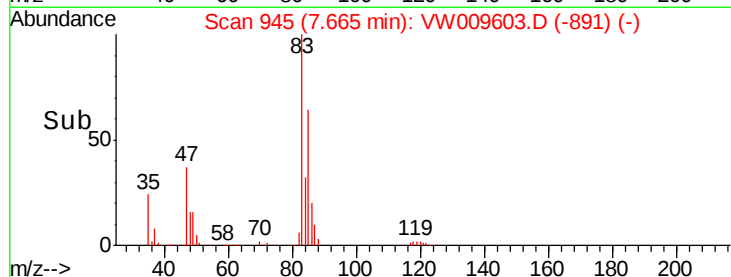
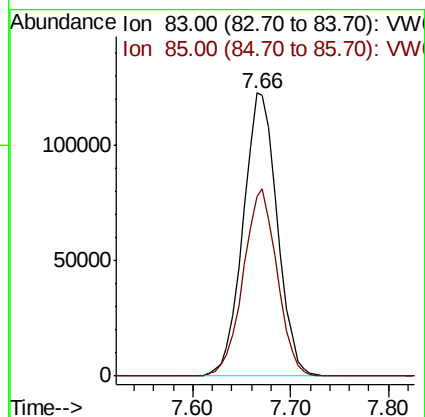
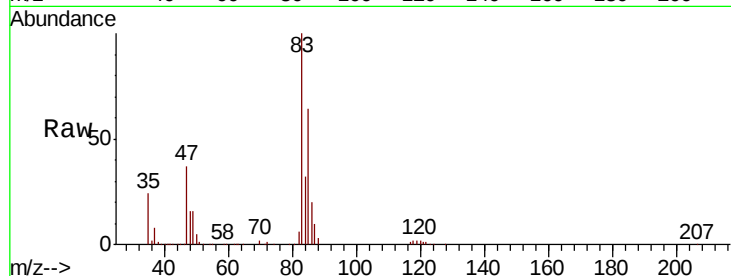
VSTD02505

Tgt Ion: 83 Resp: 295587

Ion Ratio Lower Upper

83 100

85 65.8 46.0 85.4



#27

1,2-Dichloroethane

Concen: 31.037 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW009603.D

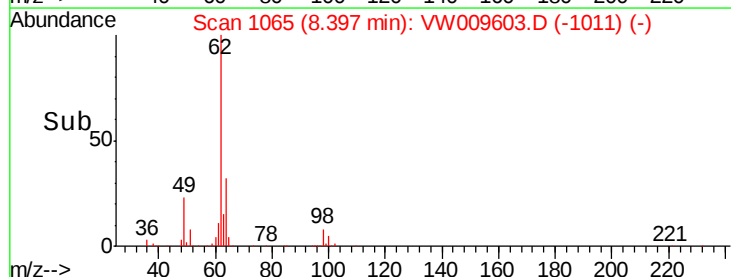
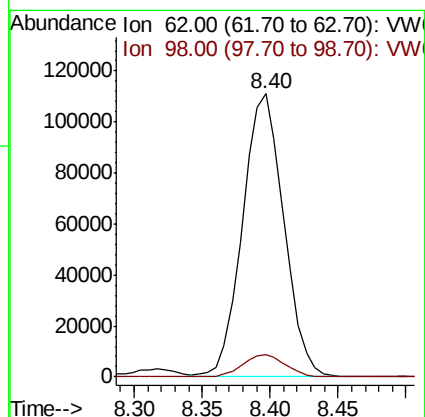
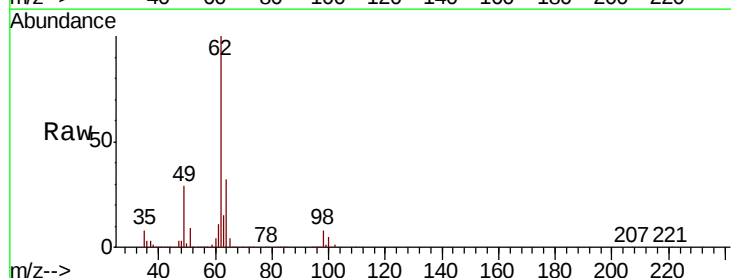
Acq: 30 Mar 2019 21:48

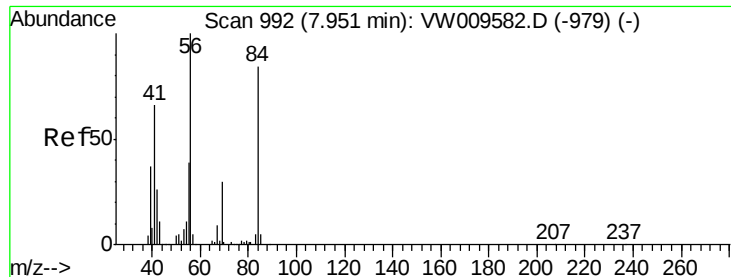
Tgt Ion: 62 Resp: 236030

Ion Ratio Lower Upper

62 100

98 7.8 7.3 10.9

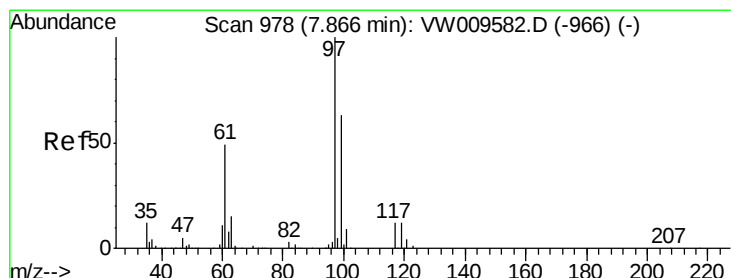
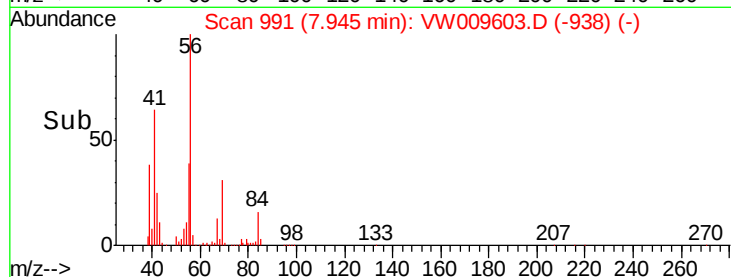
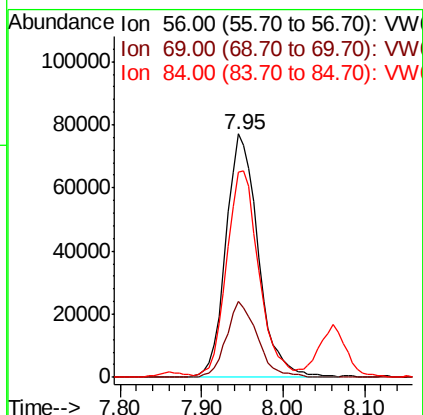
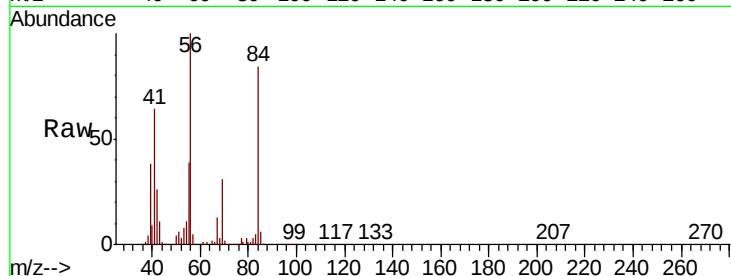




#30
Cyclohexane
Concen: 22.945 ug/L
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW009603.D
Acq: 30 Mar 2019 21:48

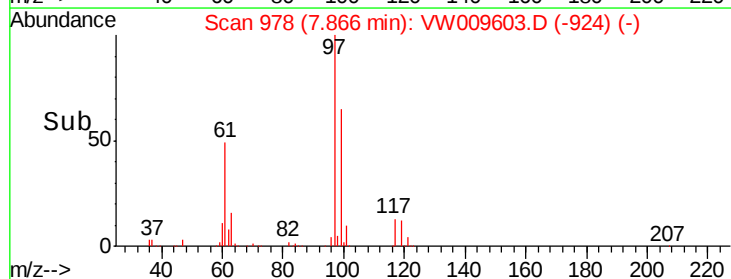
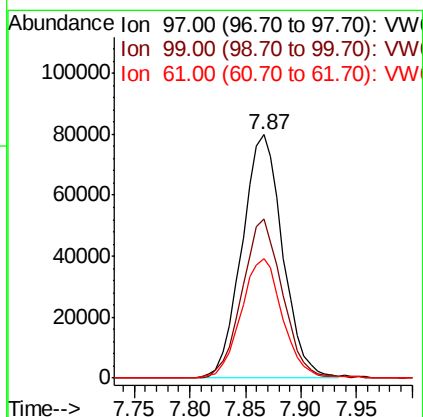
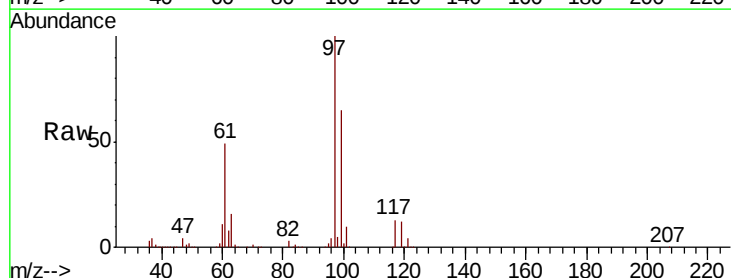
Instrument :
MSVOA_W
ClientSampleId :
VSTD02505

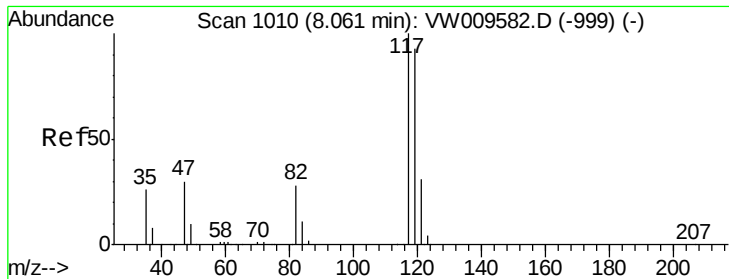
Tgt Ion: 56 Resp: 210866
Ion Ratio Lower Upper
56 100
69 30.0 24.0 36.0
84 84.7 69.2 103.8



#31
1,1,1-Trichloroethane
Concen: 25.142 ug/L
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW009603.D
Acq: 30 Mar 2019 21:48

Tgt Ion: 97 Resp: 203192
Ion Ratio Lower Upper
97 100
99 64.6 51.2 76.8
61 50.2 38.4 57.6





#32

Carbon tetrachloride

Concen: 25.754 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VW009603.D

Acq: 30 Mar 2019 21:48

Instrument :

MSVOA_W

ClientSampleId :

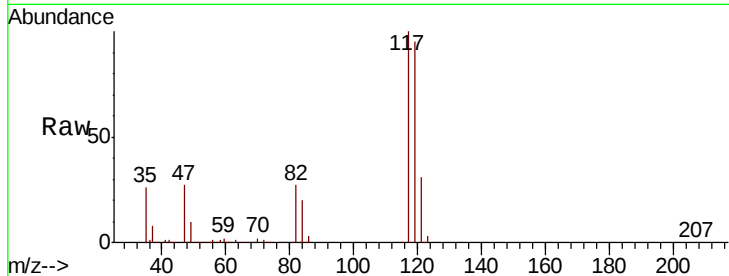
VSTD02505

Tgt Ion:117 Resp: 209998

Ion Ratio Lower Upper

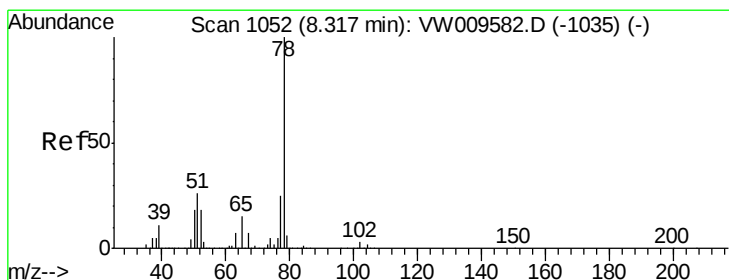
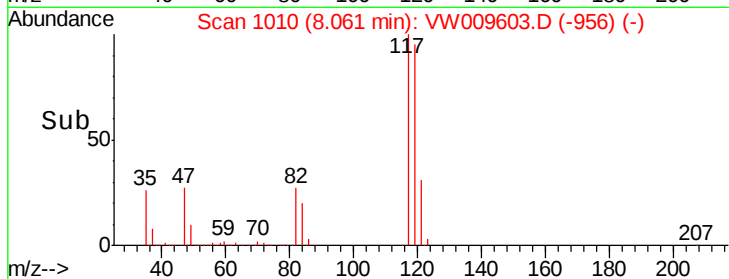
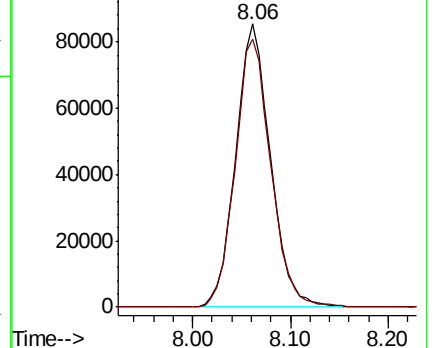
117 100

119 96.6 78.0 117.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 27.468 ug/L

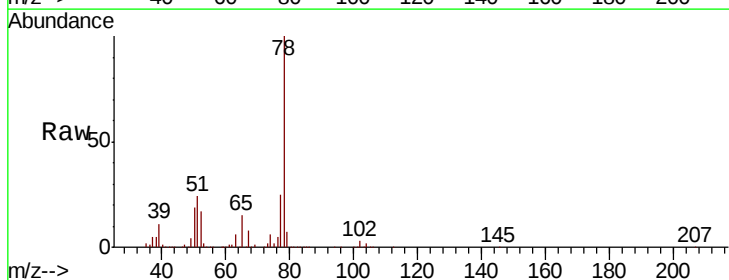
RT: 8.32 min Scan# 1052

Delta R.T. 0.00 min

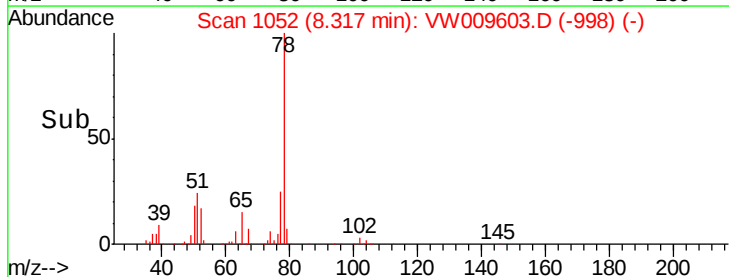
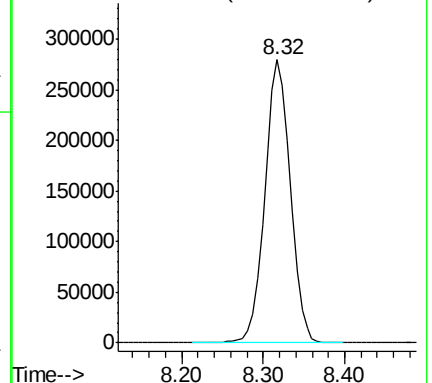
Lab File: VW009603.D

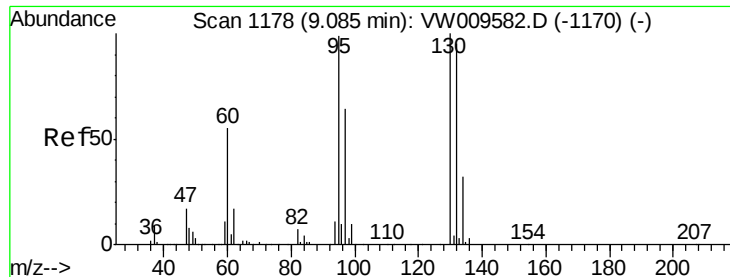
Acq: 30 Mar 2019 21:48

Tgt Ion: 78 Resp: 608383



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 25.738 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VW009603.D

Acq: 30 Mar 2019 21:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD02505

Tgt Ion: 95 Resp: 151895

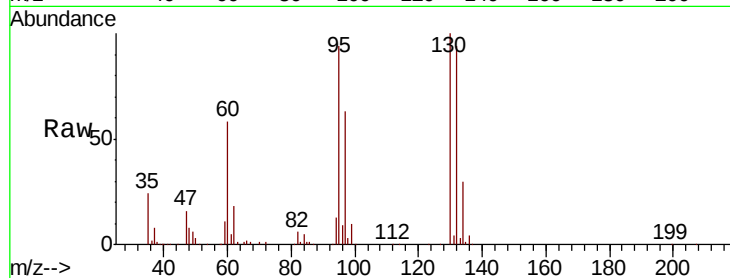
Ion Ratio Lower Upper

95 100

97 65.0 44.7 82.9

132 97.4 69.0 128.2

130 101.2 72.7 134.9



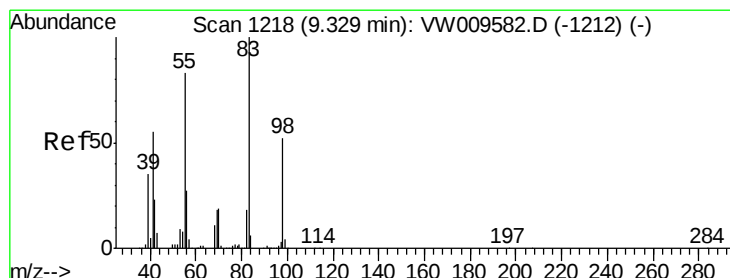
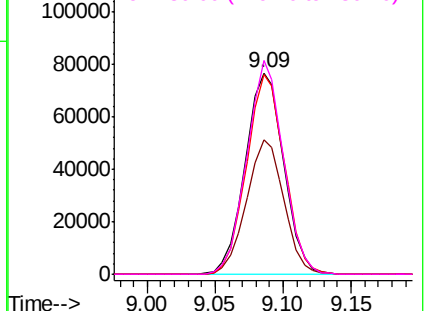
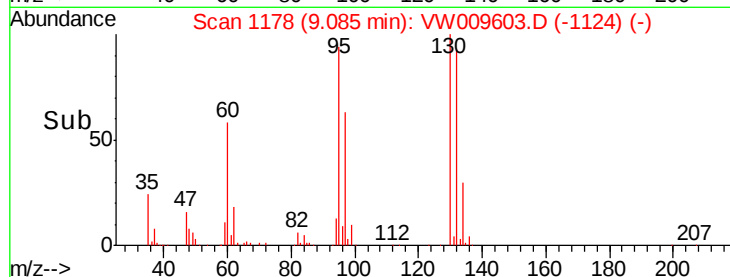
Abundance

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: 23.526 ug/L

RT: 9.33 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VW009603.D

Acq: 30 Mar 2019 21:48

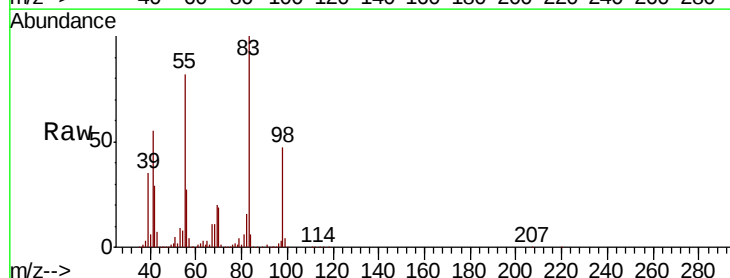
Tgt Ion: 83 Resp: 240216

Ion Ratio Lower Upper

83 100

55 81.4 63.5 95.3

98 48.6 39.8 59.8

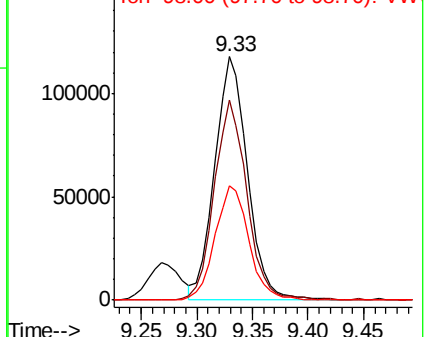
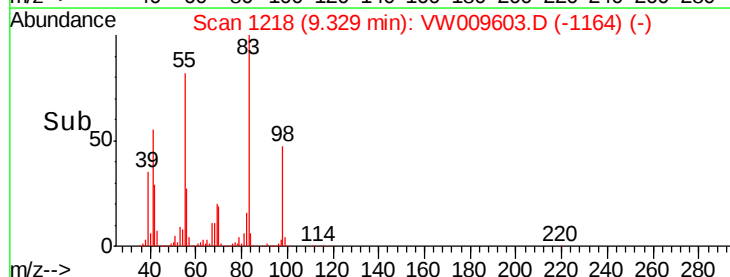


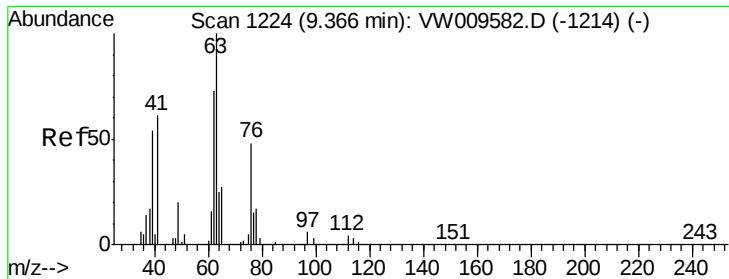
Abundance

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

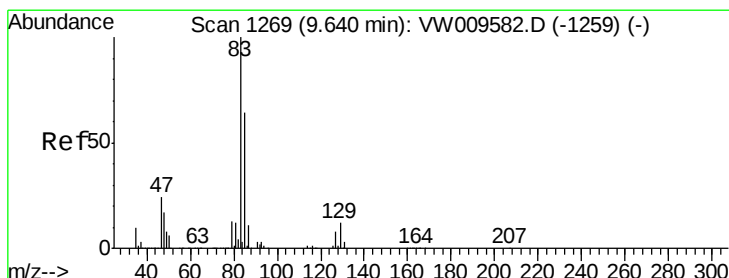
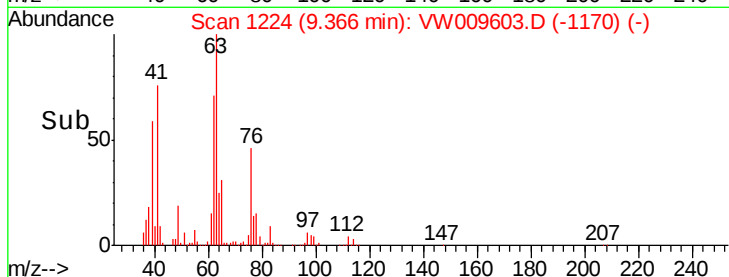
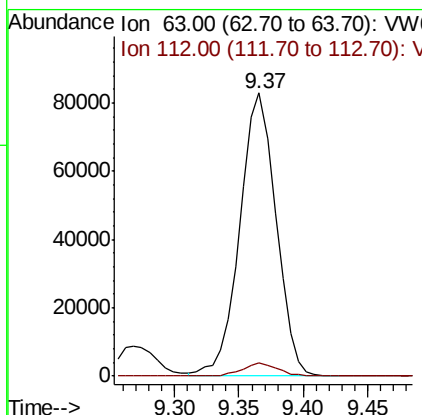
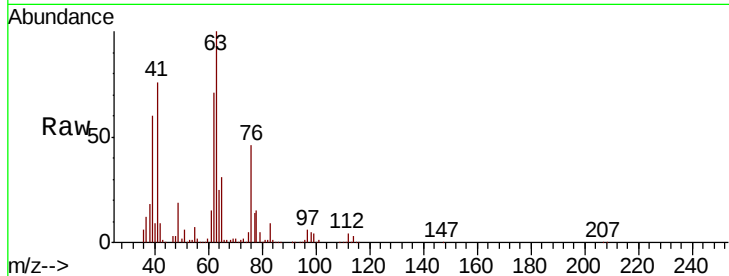




#40
 1,2-Dichloropropane
 Concen: 28.498 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW009603.D
 Acq: 30 Mar 2019 21:48

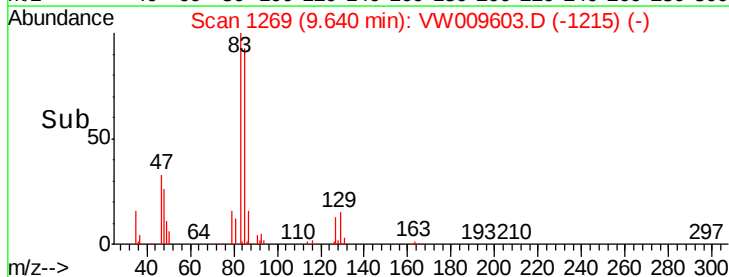
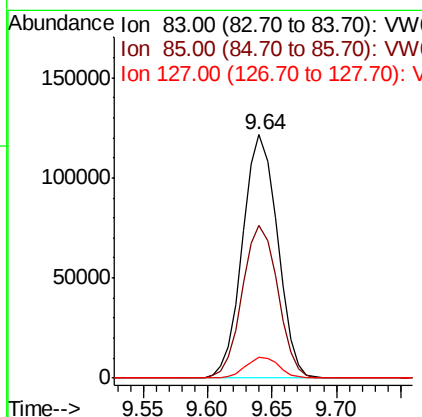
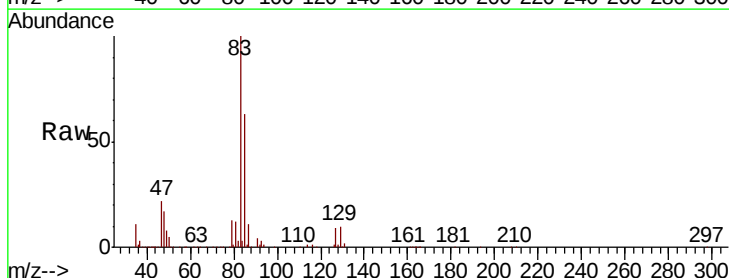
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02505

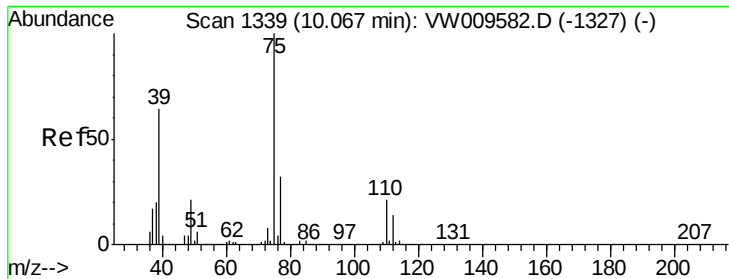
Tgt Ion: 63 Resp: 161965
 Ion Ratio Lower Upper
 63 100
 112 4.4 4.0 6.0



#41
 Bromodichloromethane
 Concen: 29.072 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW009603.D
 Acq: 30 Mar 2019 21:48

Tgt Ion: 83 Resp: 228942
 Ion Ratio Lower Upper
 83 100
 85 63.0 43.5 80.7
 127 8.7 6.2 9.4





#42

cis-1,3-Dichloropropene

Concen: 26.623 ug/L

RT: 10.07 min Scan# 1339

Delta R.T. 0.00 min

Lab File: VW009603.D

Acq: 30 Mar 2019 21:48

Instrument :

MSVOA_W

ClientSampled :

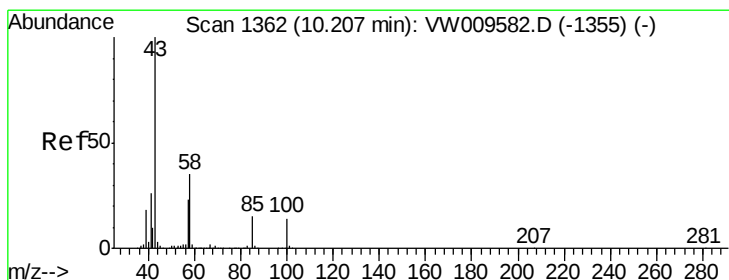
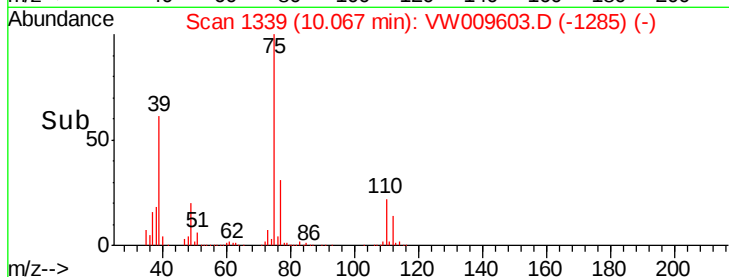
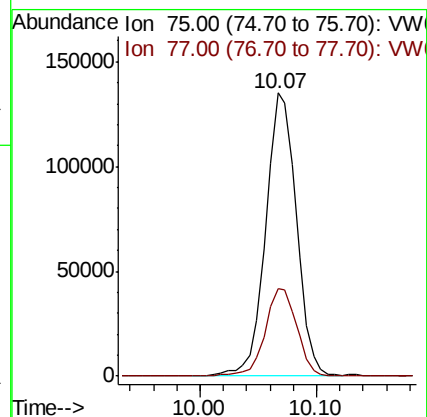
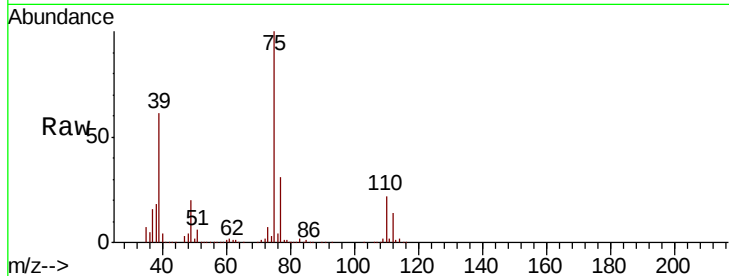
VSTD02505

Tgt Ion: 75 Resp: 246447

Ion Ratio Lower Upper

75 100

77 30.9 21.6 40.2



#43

4-Methyl-2-pentanone

Concen: 64.443 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW009603.D

Acq: 30 Mar 2019 21:48

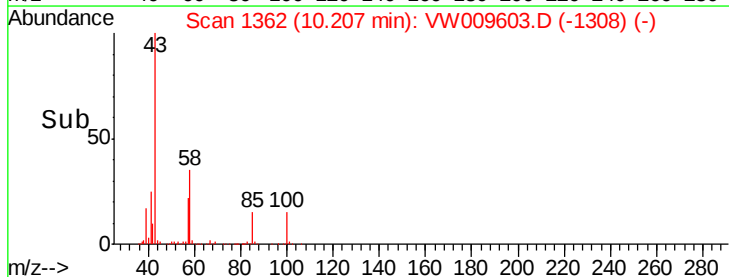
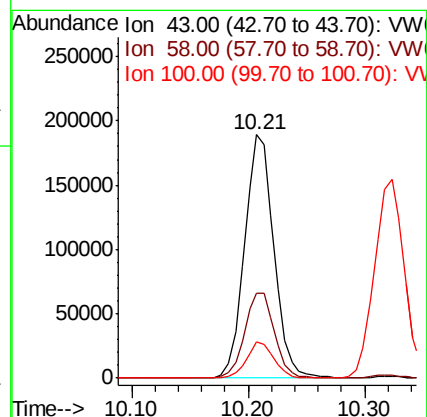
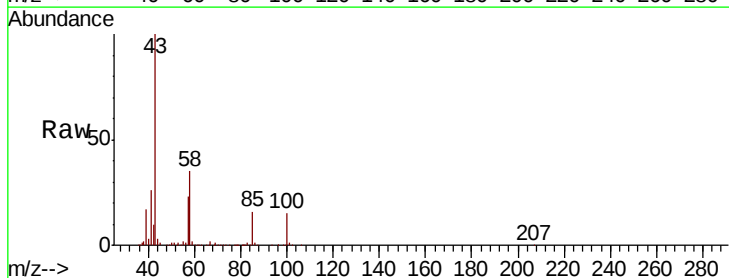
Tgt Ion: 43 Resp: 331884

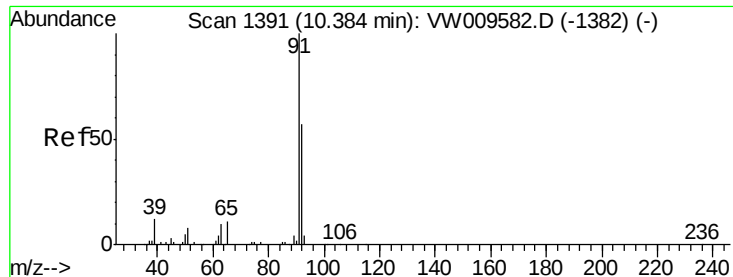
Ion Ratio Lower Upper

43 100

58 35.6 28.2 42.2

100 14.1 11.4 17.2





#44

Toluene

Concen: 26.922 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW009603.D

Acq: 30 Mar 2019 21:48

Instrument :

MSVOA_W

ClientSampleId :

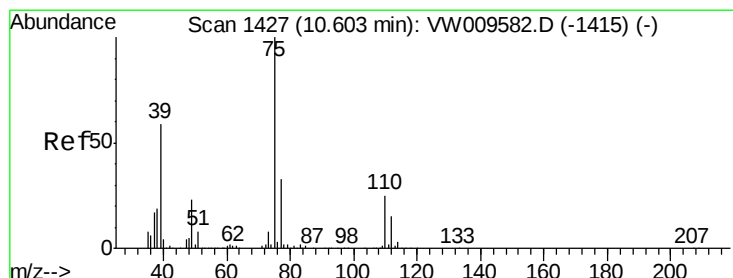
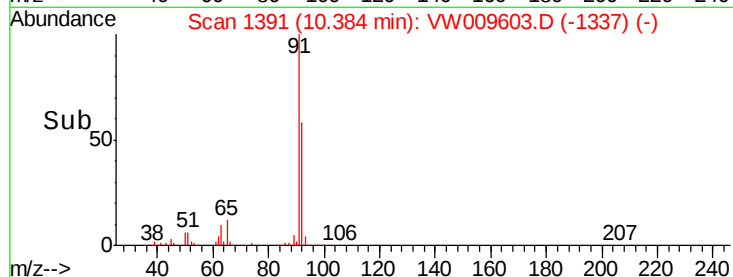
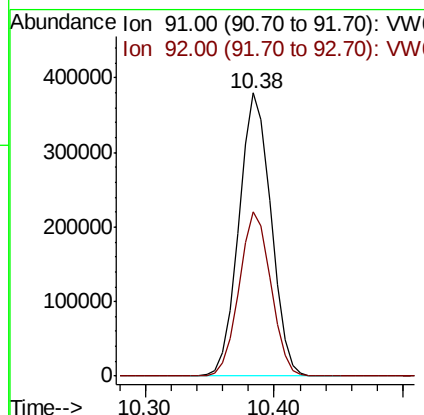
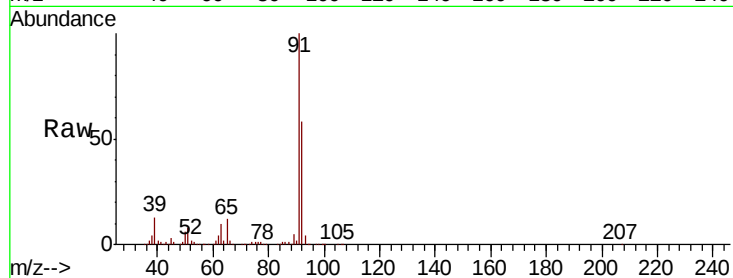
VSTD02505

Tgt Ion: 91 Resp: 651951

Ion Ratio Lower Upper

91 100

92 58.0 39.8 73.8



#45

trans-1,3-Dichloropropene

Concen: 27.172 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009603.D

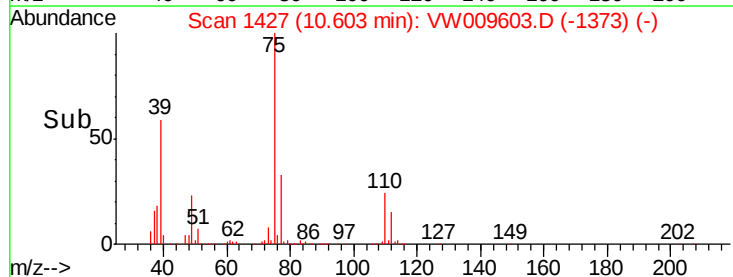
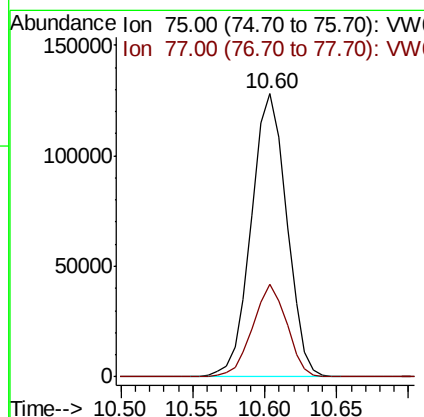
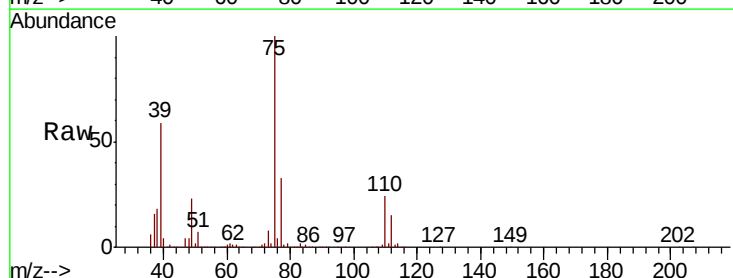
Acq: 30 Mar 2019 21:48

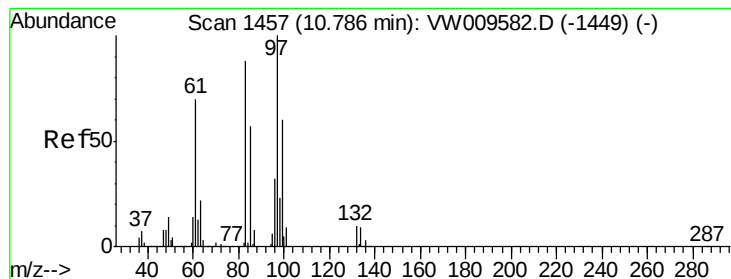
Tgt Ion: 75 Resp: 218799

Ion Ratio Lower Upper

75 100

77 32.5 22.5 41.7





#46

1,1,2-Trichloroethane

Concen: 29.453 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW009603.D

Acq: 30 Mar 2019 21:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD02505

Tgt Ion: 97 Resp: 133545

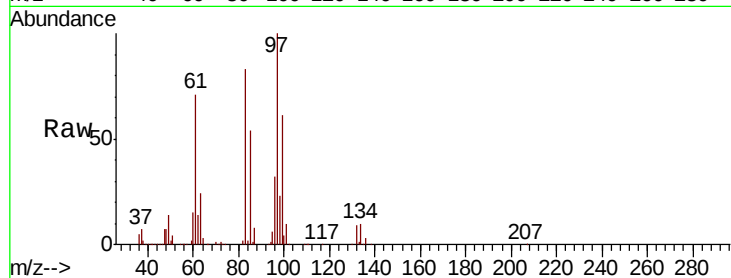
Ion Ratio Lower Upper

97 100

83 83.4 60.7 112.7

85 54.4 40.1 74.5

99 61.2 43.8 81.3



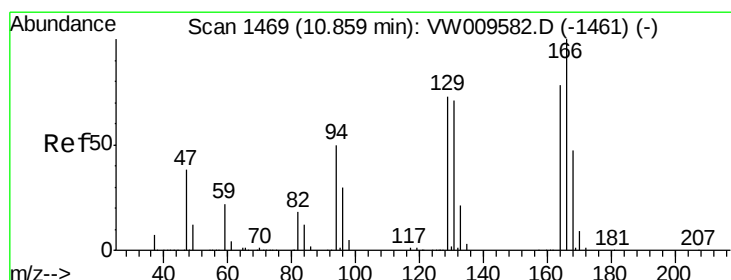
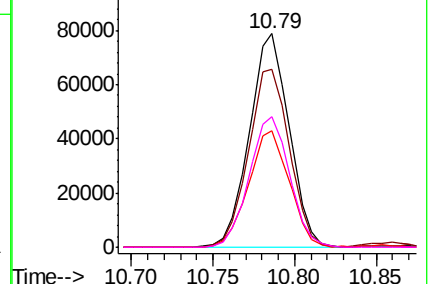
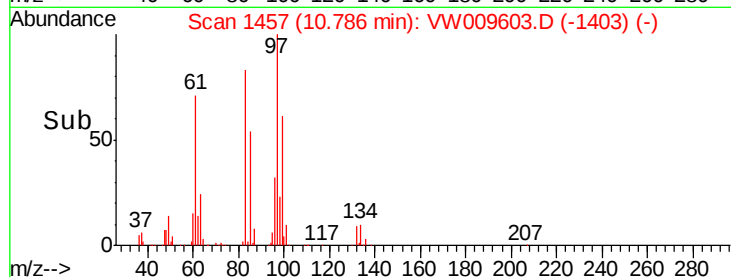
Abundance

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: 23.652 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW009603.D

Acq: 30 Mar 2019 21:48

Tgt Ion: 164 Resp: 117945

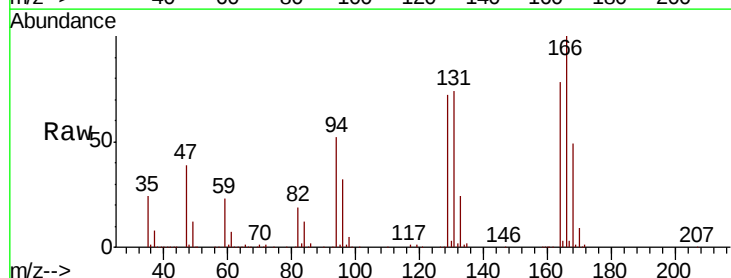
Ion Ratio Lower Upper

164 100

129 92.0 66.5 123.5

131 94.2 62.6 116.3

166 128.0 91.6 170.0



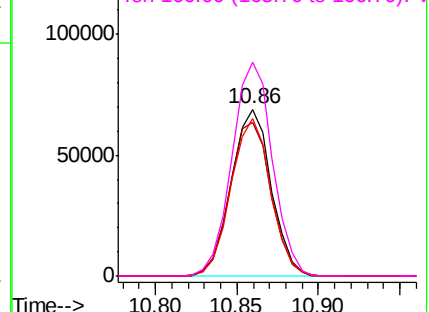
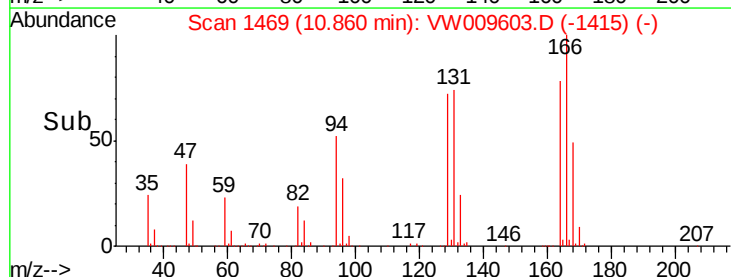
Abundance

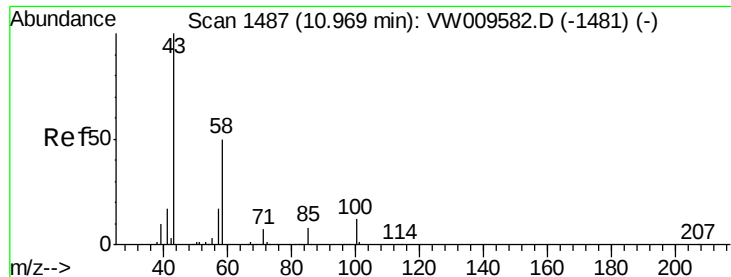
Ion 164.00 (163.70 to 164.70): V

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

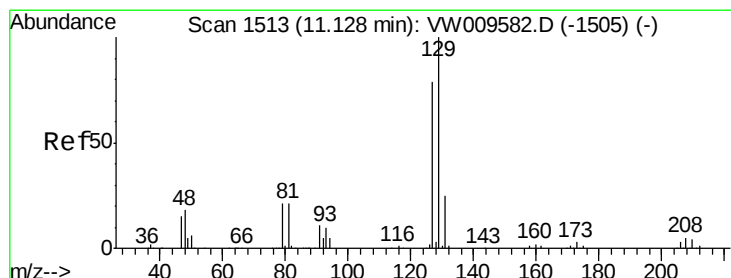
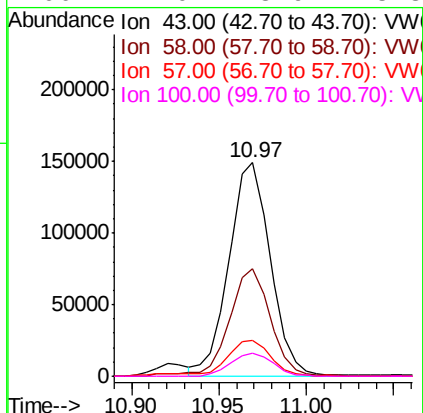
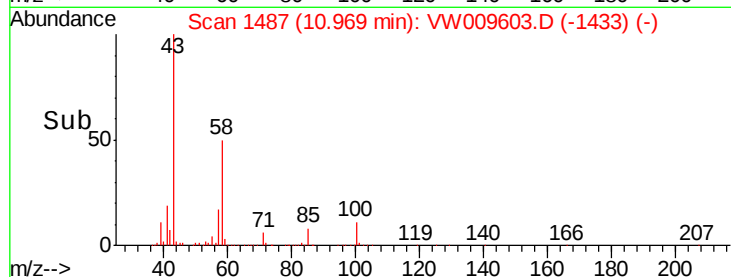
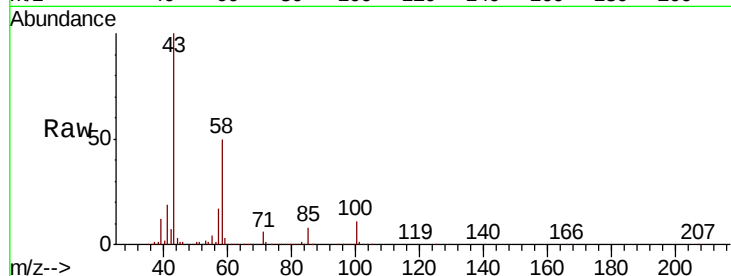




#49
2-Hexanone
Concen: 67.809 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009603.D
Acq: 30 Mar 2019 21:48

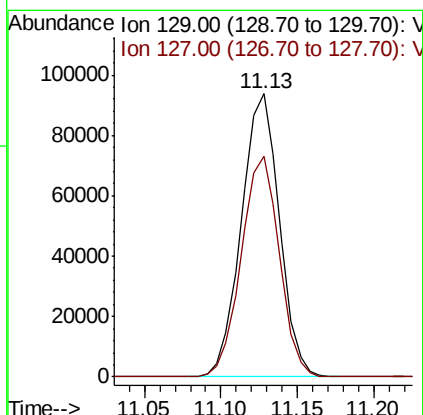
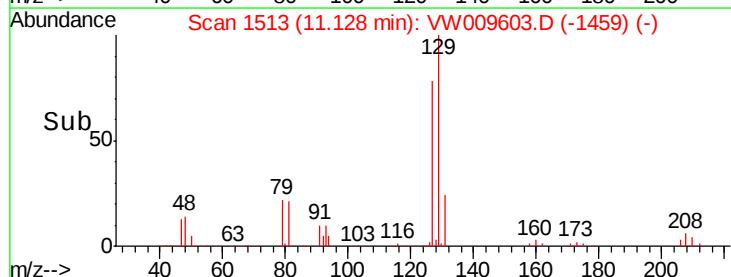
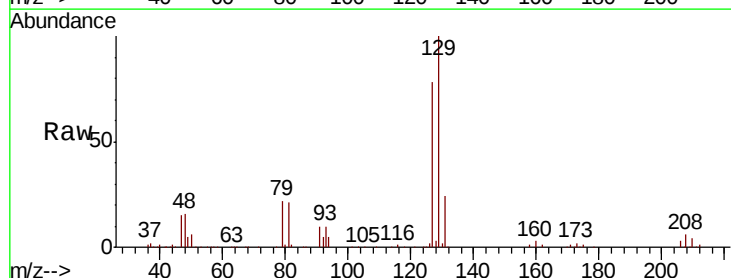
Instrument :
MSVOA_W
ClientSampleId :
VSTD02505

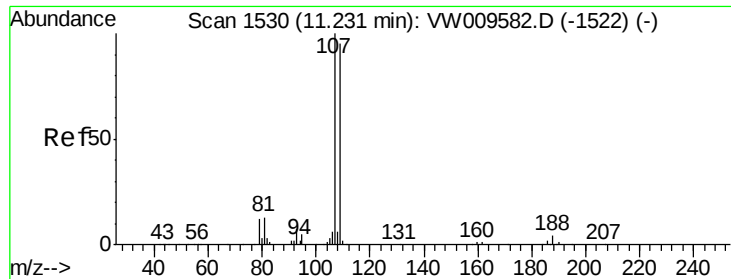
Tgt Ion: 43 Resp: 245961
Ion Ratio Lower Upper
43 100
58 50.5 39.2 58.8
57 16.8 14.2 21.2
100 11.0 8.9 13.3



#50
Dibromochloromethane
Concen: 28.988 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009603.D
Acq: 30 Mar 2019 21:48

Tgt Ion: 129 Resp: 162252
Ion Ratio Lower Upper
129 100
127 77.7 56.8 105.6

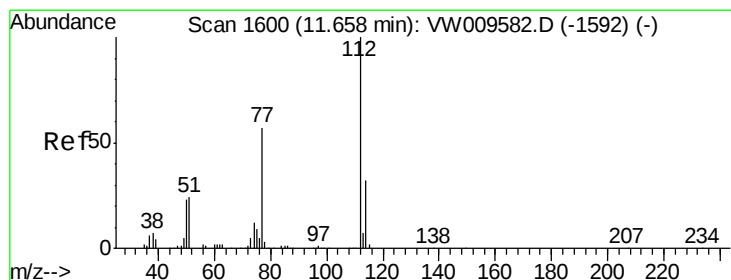
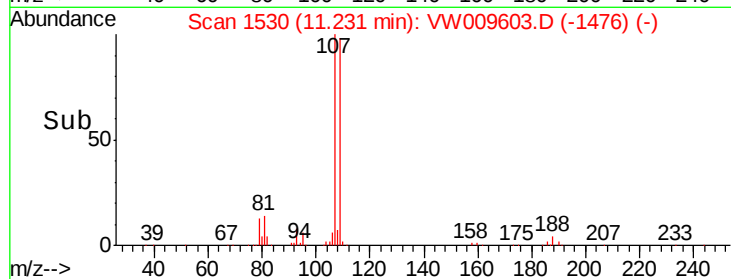
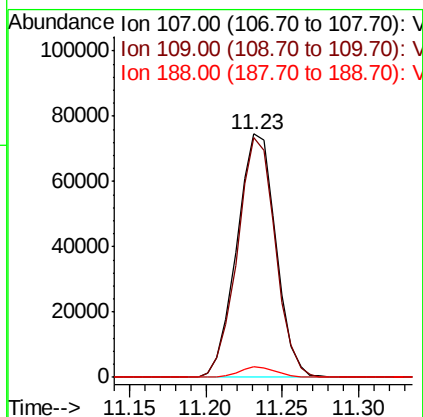
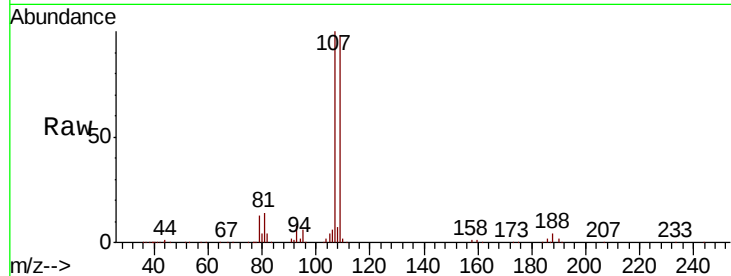




#51
 1,2-Dibromoethane
 Concen: 28.654 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW009603.D
 Acq: 30 Mar 2019 21:48

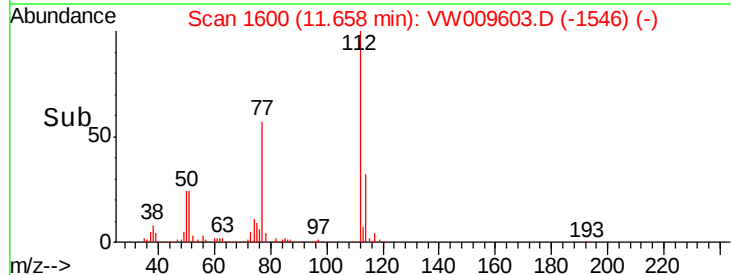
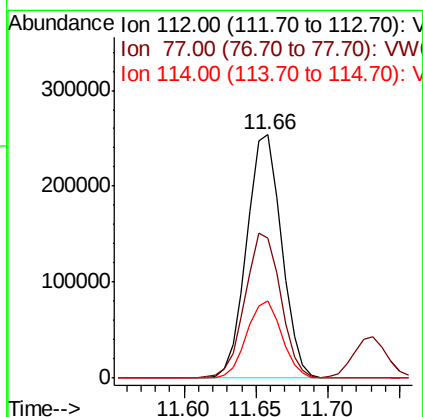
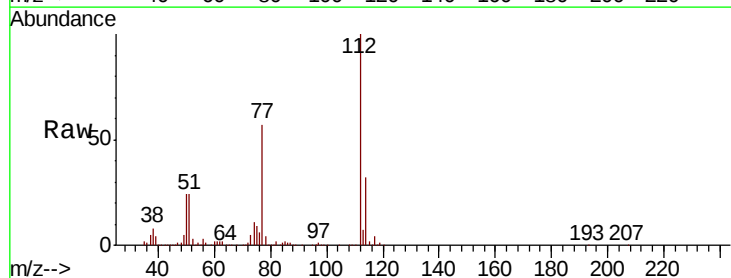
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02505

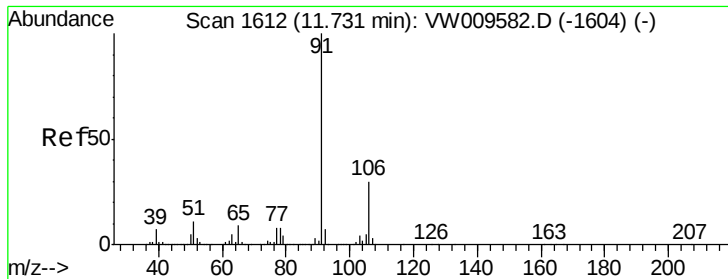
Tgt Ion:107 Resp: 131713
 Ion Ratio Lower Upper
 107 100
 109 98.3 68.0 126.4
 188 4.3 3.5 5.3



#52
 Chlorobenzene
 Concen: 27.402 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW009603.D
 Acq: 30 Mar 2019 21:48

Tgt Ion:112 Resp: 425606
 Ion Ratio Lower Upper
 112 100
 77 57.3 45.7 68.5
 114 31.6 22.8 42.4





#53

Ethylbenzene

Concen: 27.396 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009603.D

Acq: 30 Mar 2019 21:48

Instrument :

MSVOA_W

ClientSampleId :

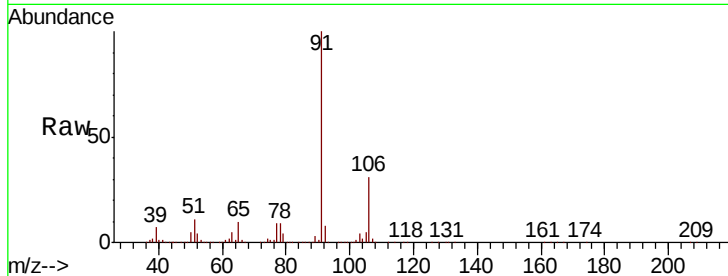
VSTD02505

Tgt Ion: 91 Resp: 745865

Ion Ratio Lower Upper

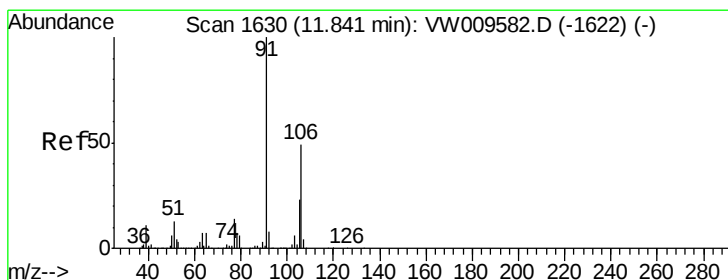
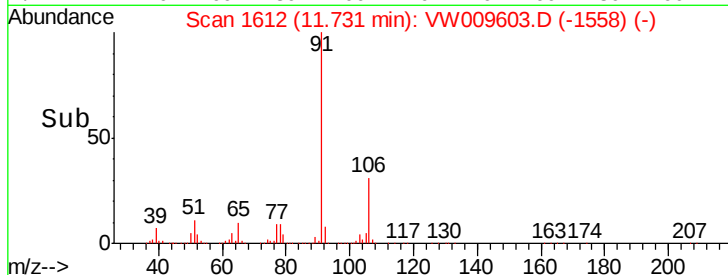
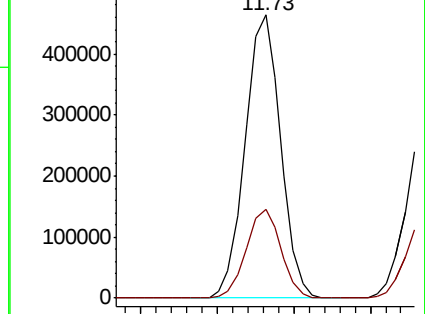
91 100

106 31.2 21.0 39.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 27.124 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW009603.D

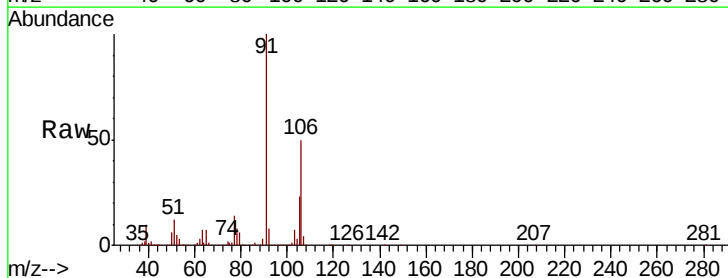
Acq: 30 Mar 2019 21:48

Tgt Ion: 106 Resp: 280561

Ion Ratio Lower Upper

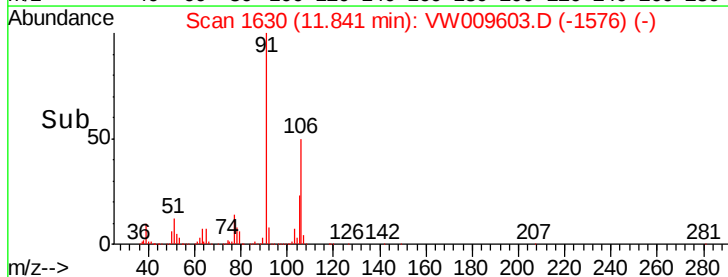
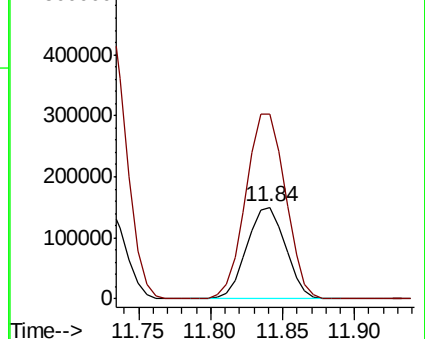
106 100

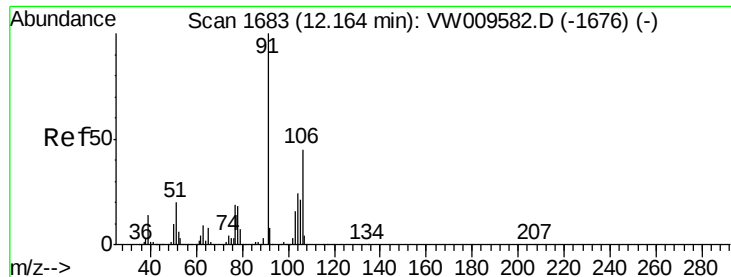
91 201.5 138.4 257.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#55

o-xylene

Concen: 27.388 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW009603.D

Acq: 30 Mar 2019 21:48

Instrument :

MSVOA_W

ClientSampleId :

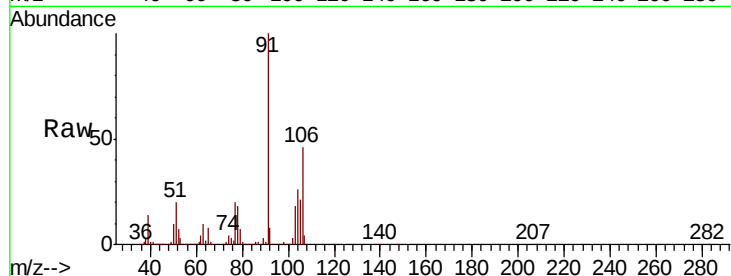
VSTD02505

Tgt Ion:106 Resp: 276370

Ion Ratio Lower Upper

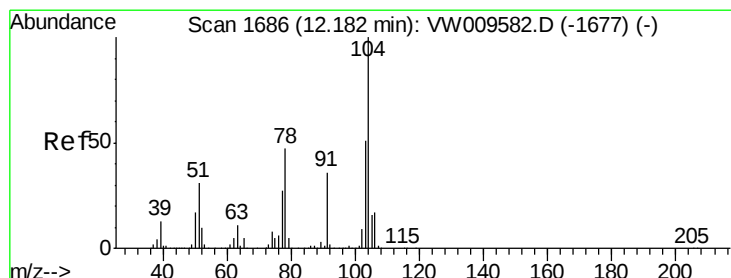
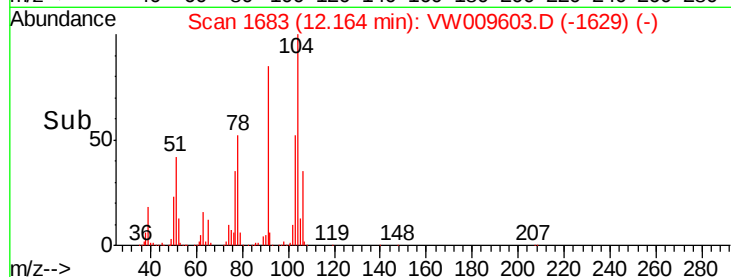
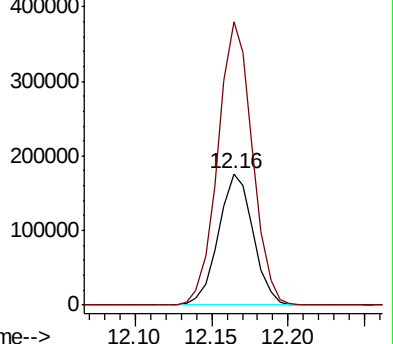
106 100

91 215.1 153.2 284.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 28.512 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW009603.D

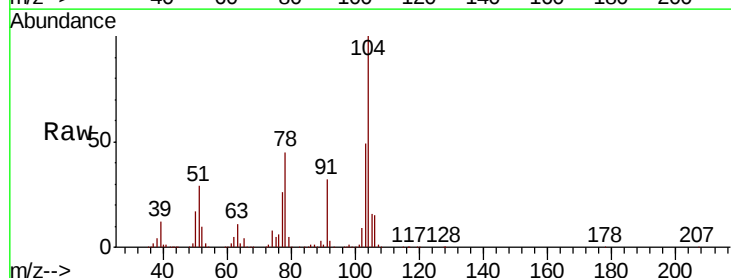
Acq: 30 Mar 2019 21:48

Tgt Ion:104 Resp: 490885

Ion Ratio Lower Upper

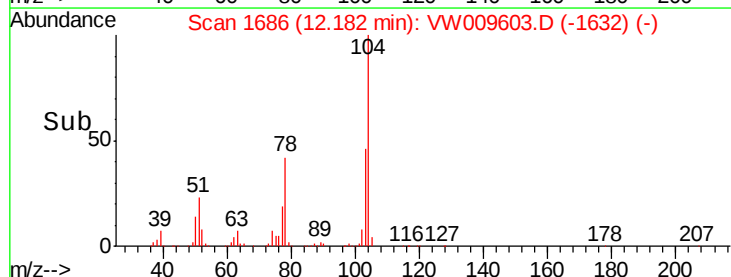
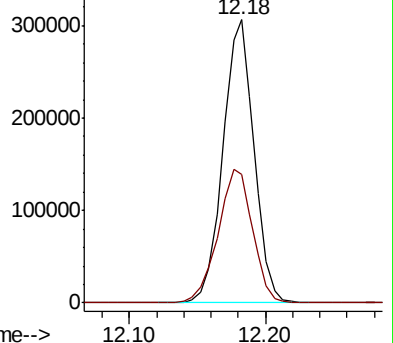
104 100

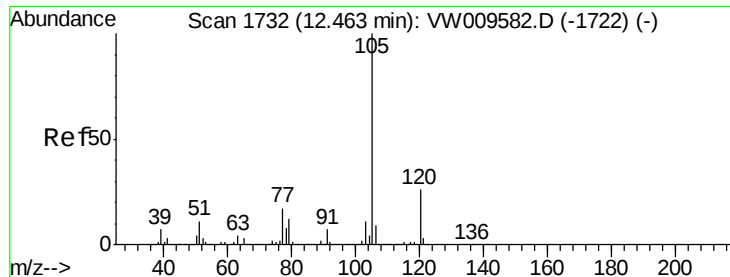
78 45.3 30.9 57.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 27.383 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW009603.D

Acq: 30 Mar 2019 21:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD02505

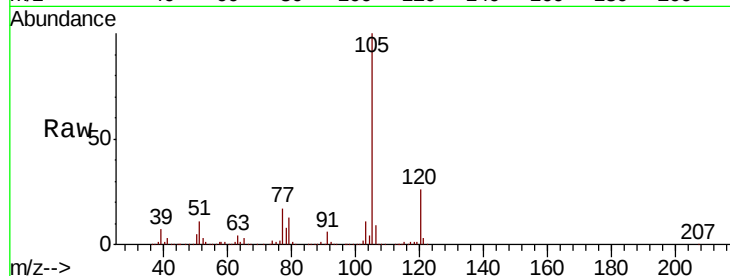
Tgt Ion: 105 Resp: 740186

Ion Ratio Lower Upper

105 100

120 26.1 21.3 31.9

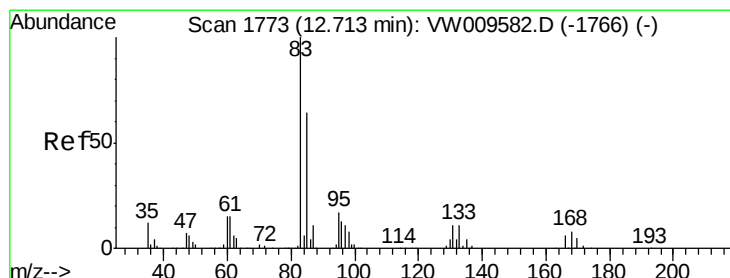
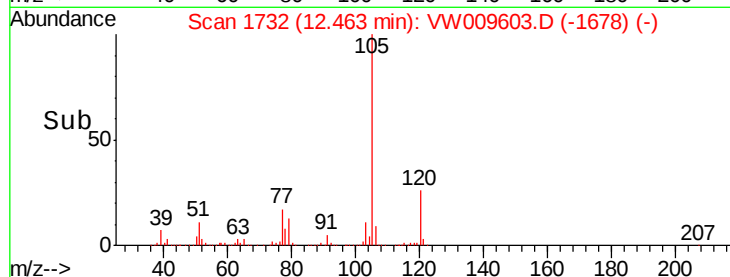
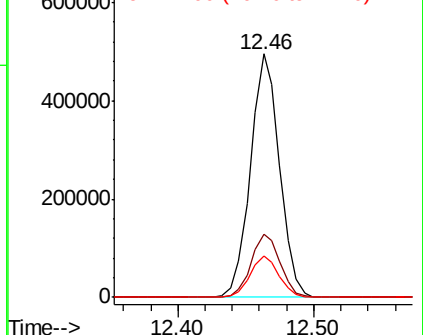
77 16.9 13.1 19.7



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: 31.658 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009603.D

Acq: 30 Mar 2019 21:48

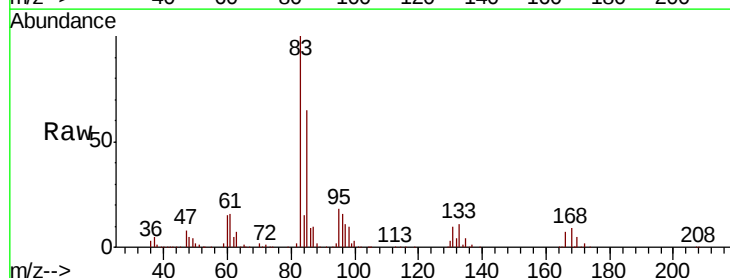
Tgt Ion: 83 Resp: 193650

Ion Ratio Lower Upper

83 100

85 64.8 45.6 84.8

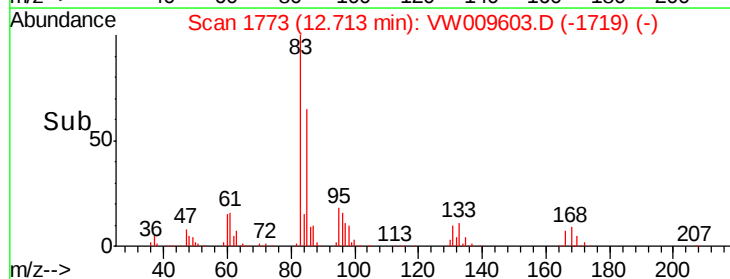
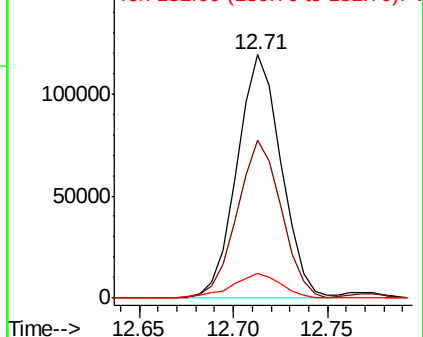
131 10.1 9.2 13.8

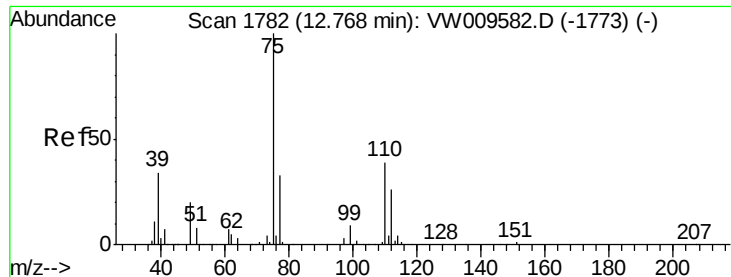


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 32.119 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW009603.D

Acq: 30 Mar 2019 21:48

Instrument :

MSVOA_W

ClientSampleId :

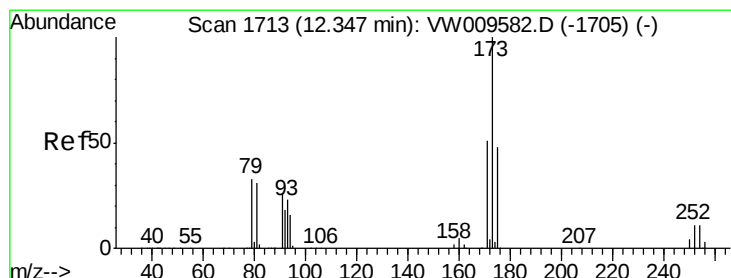
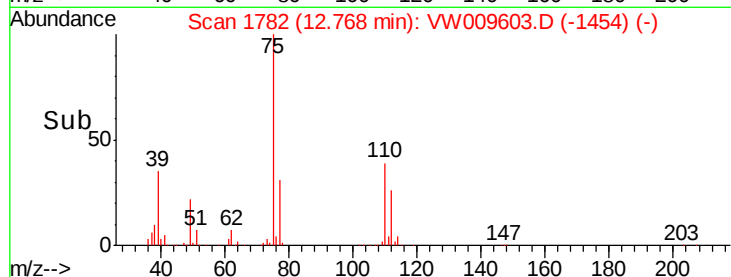
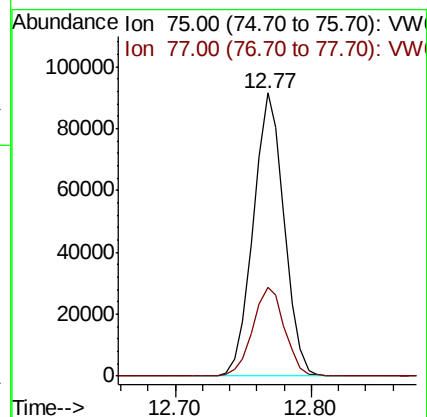
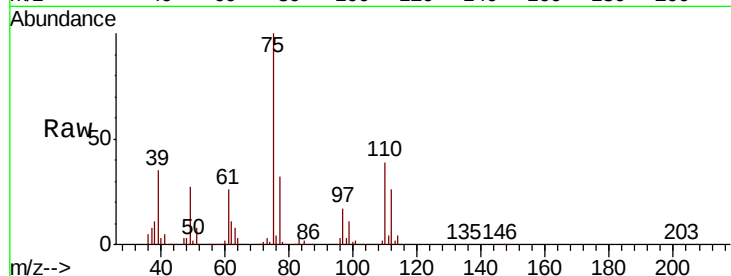
VSTD02505

Tgt Ion: 75 Resp: 145806

Ion Ratio Lower Upper

75 100

77 32.5 26.2 39.2



#62

Bromoform

Concen: 28.669 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW009603.D

Acq: 30 Mar 2019 21:48

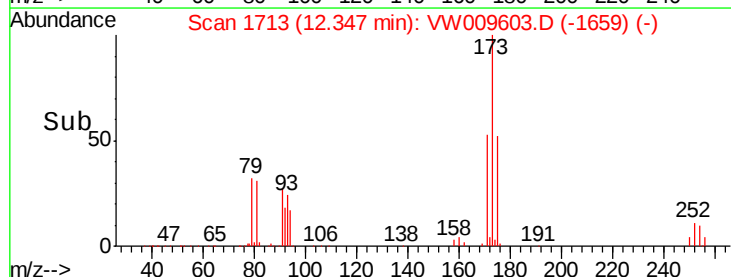
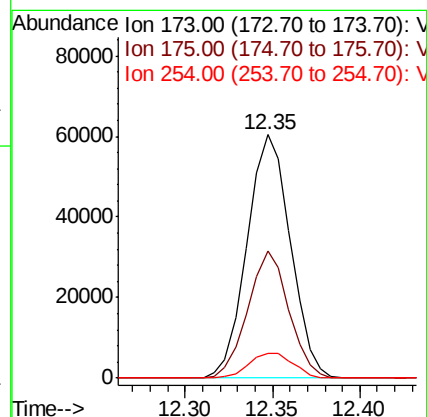
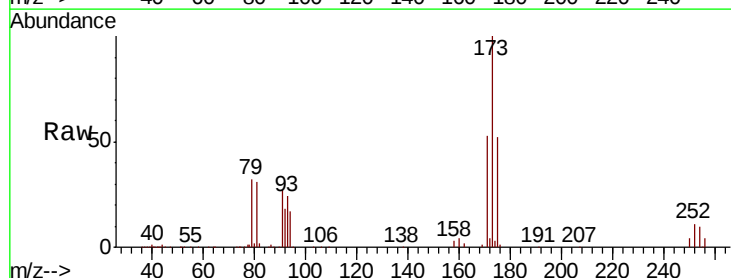
Tgt Ion: 173 Resp: 103562

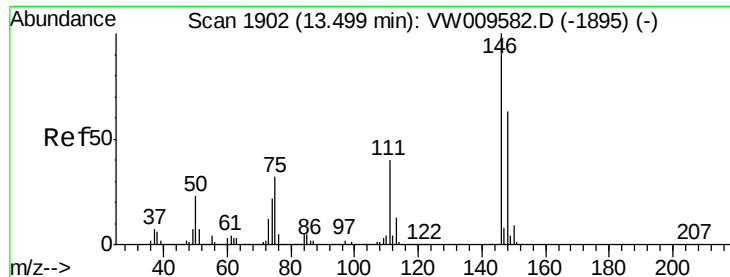
Ion Ratio Lower Upper

173 100

175 49.9 39.7 59.5

254 10.5 8.5 12.7

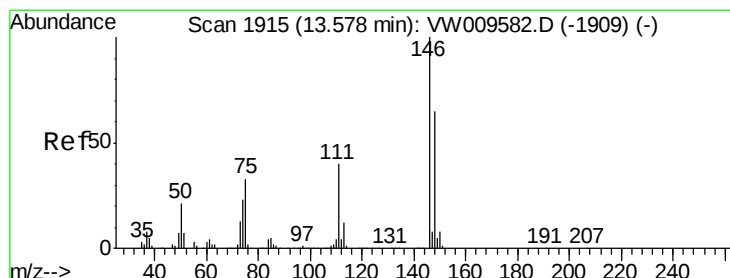
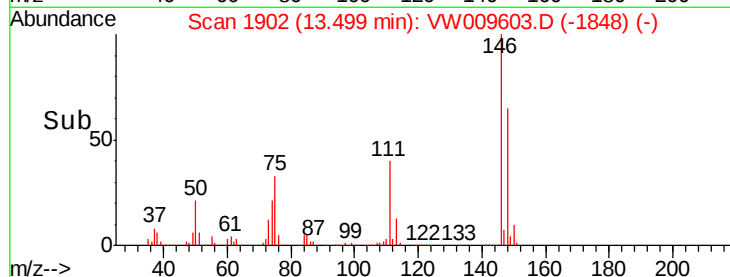
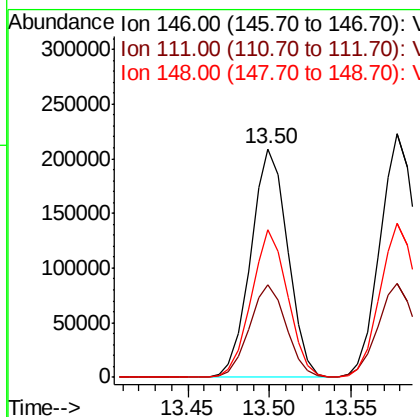
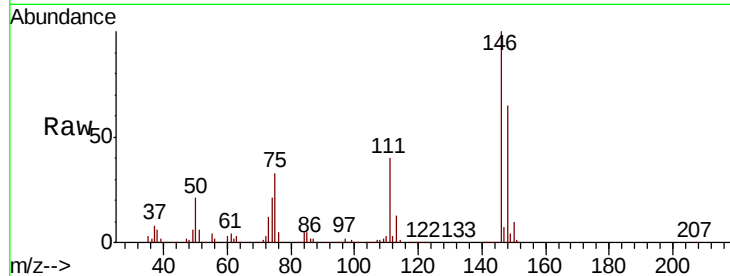




#63
 1,3-Dichlorobenzene
 Concen: 25.887 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009603.D
 Acq: 30 Mar 2019 21:48

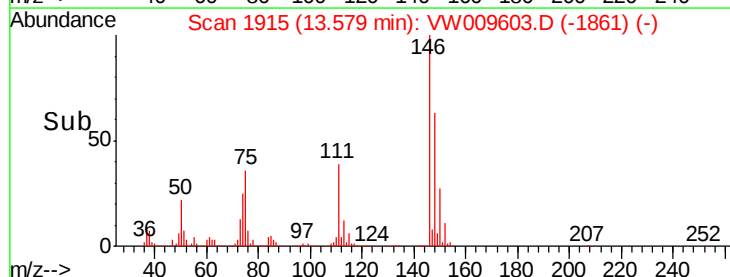
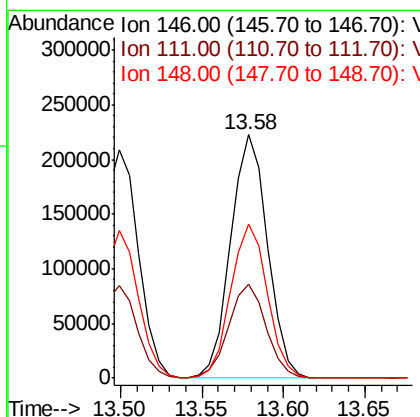
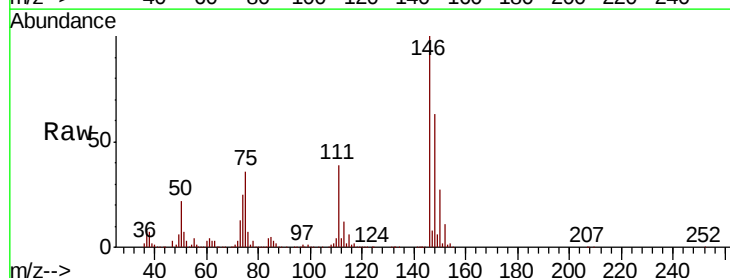
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02505

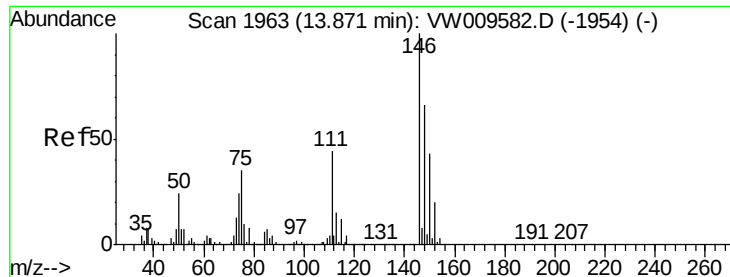
Tgt Ion:146 Resp: 329849
 Ion Ratio Lower Upper
 146 100
 111 40.3 26.9 49.9
 148 64.6 45.1 83.7



#64
 1,4-Dichlorobenzene
 Concen: 26.615 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW009603.D
 Acq: 30 Mar 2019 21:48

Tgt Ion:146 Resp: 350611
 Ion Ratio Lower Upper
 146 100
 111 38.6 27.8 51.6
 148 63.2 46.3 86.1

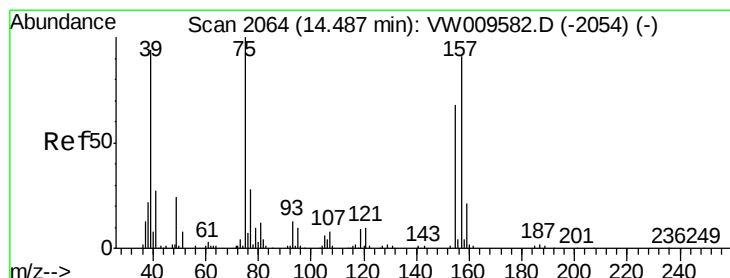
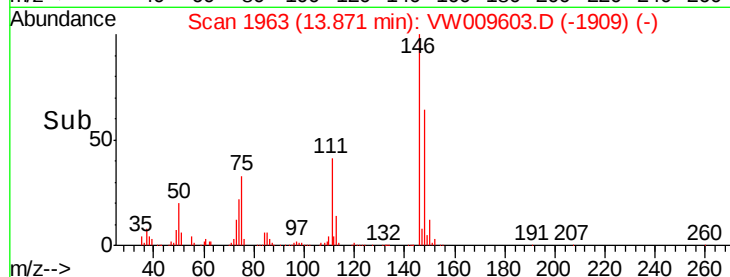
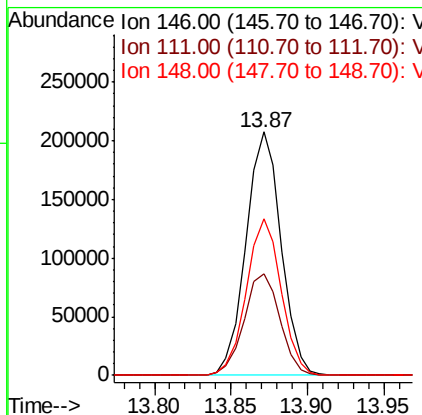
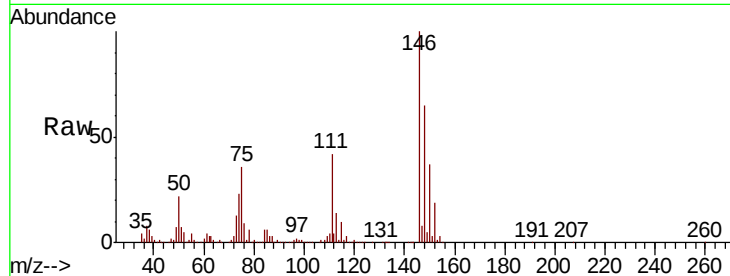




#65
 1,2-Dichlorobenzene
 Concen: 27.325 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009603.D
 Acq: 30 Mar 2019 21:48

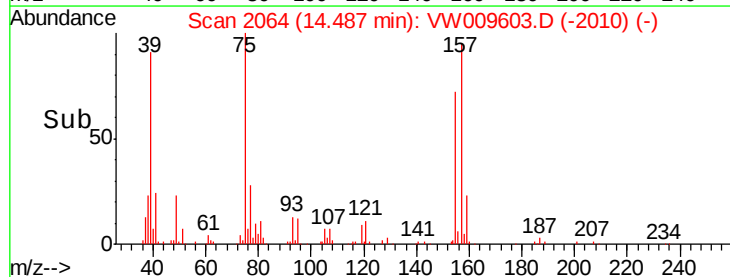
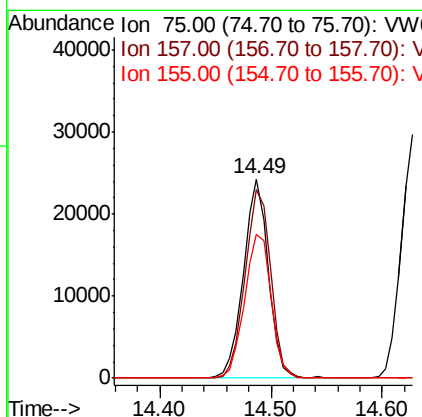
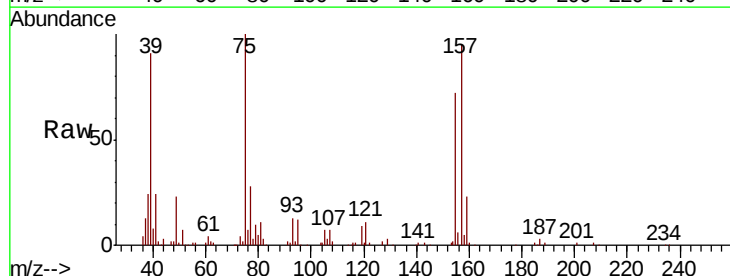
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02505

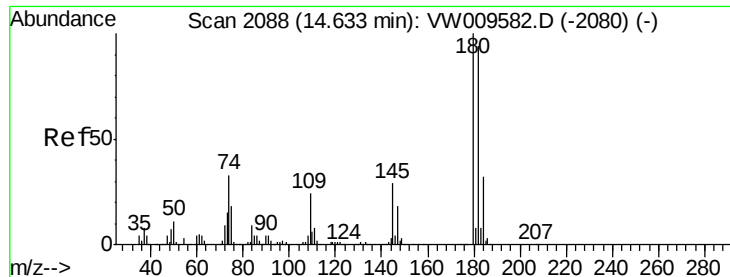
Tgt Ion:146 Resp: 332041
 Ion Ratio Lower Upper
 146 100
 111 41.5 33.5 50.3
 148 64.6 50.2 75.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 31.625 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW009603.D
 Acq: 30 Mar 2019 21:48

Tgt Ion: 75 Resp: 37662
 Ion Ratio Lower Upper
 75 100
 157 94.6 89.0 133.4
 155 72.1 64.2 96.2

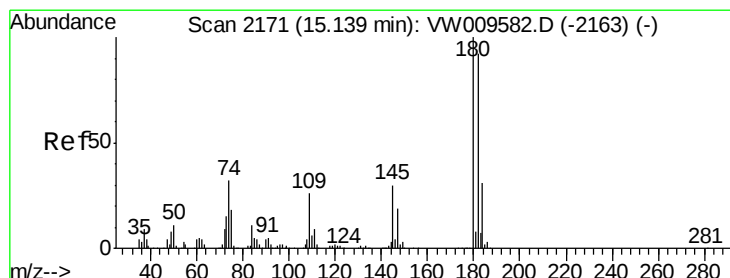
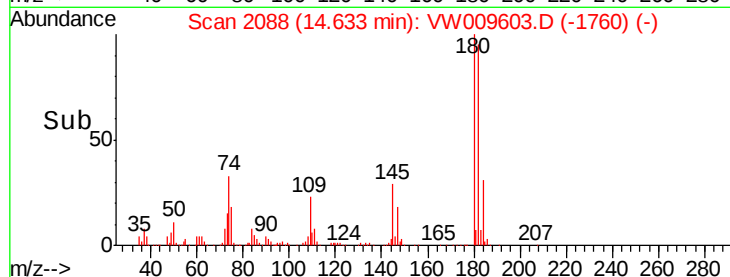
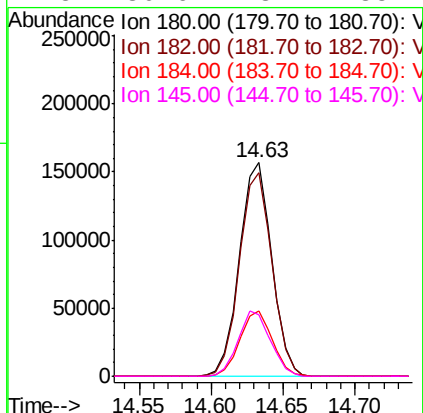
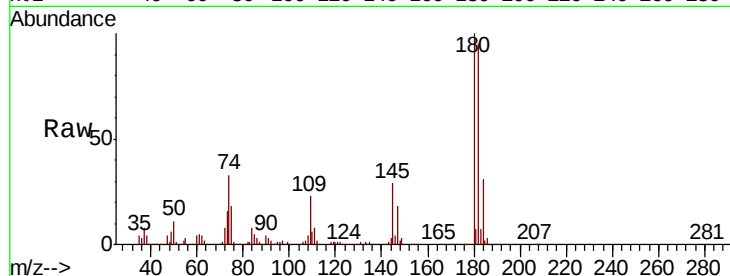




#67
 1,3,5-Trichlorobenzene
 Concen: 24.571 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW009603.D
 Acq: 30 Mar 2019 21:48

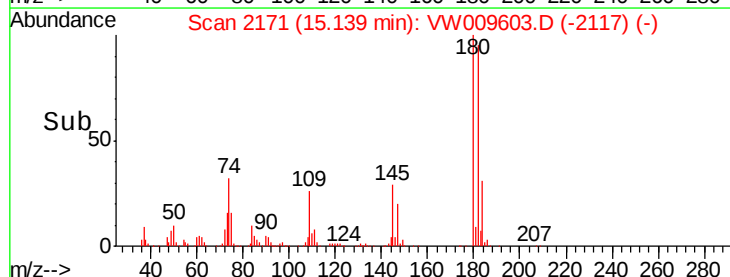
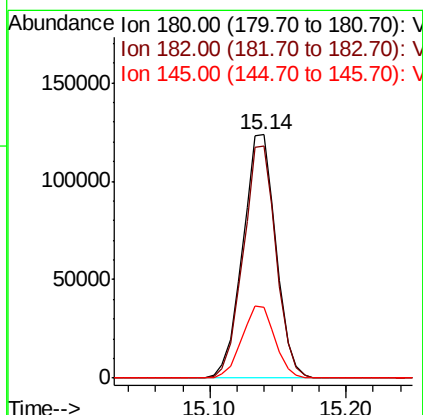
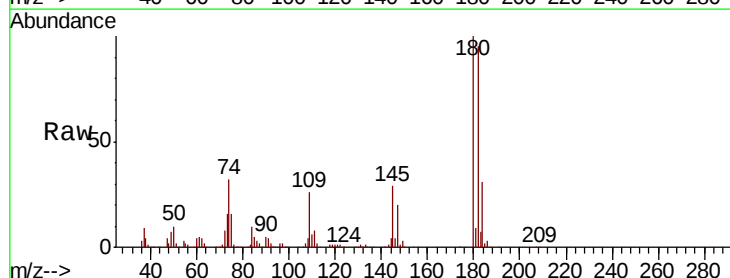
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02505

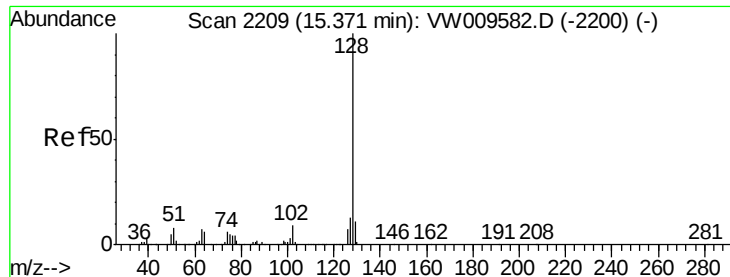
Tgt Ion:	180	Resp:	244197
Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.1	114.1
184	30.6	23.8	35.6
145	30.6	23.4	35.2



#68
 1,2,4-trichlorobenzene
 Concen: 25.234 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW009603.D
 Acq: 30 Mar 2019 21:48

Tgt Ion:	180	Resp:	210657
Ion	Ratio	Lower	Upper
180	100		
182	94.3	75.5	113.3
145	29.3	24.1	36.1





#69

Naphthalene

Concen: 29.555 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW009603.D

Acq: 30 Mar 2019 21:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD02505

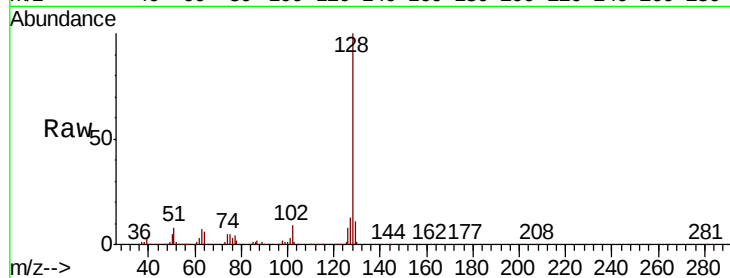
Tgt Ion:128 Resp: 511529

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

127 13.9 11.1 16.7

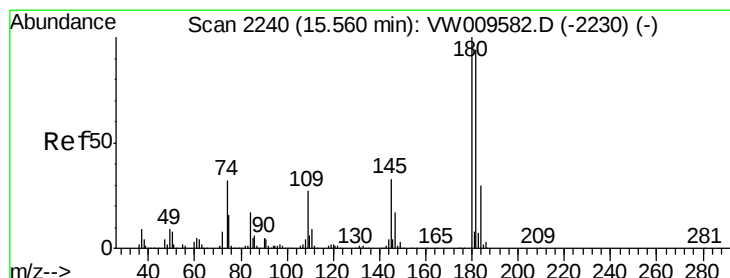
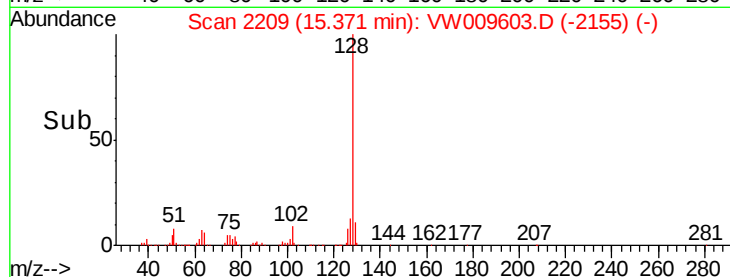
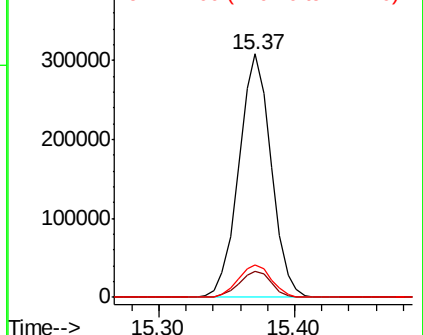


Abundance

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: 26.959 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW009603.D

Acq: 30 Mar 2019 21:48

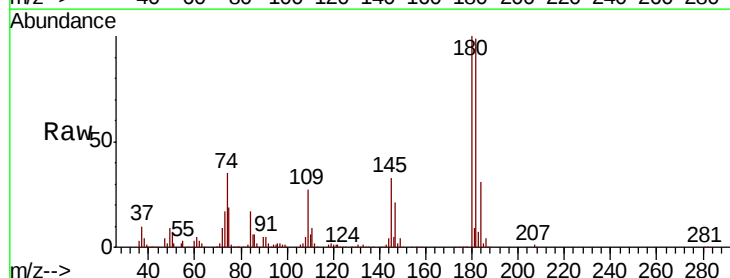
Tgt Ion:180 Resp: 210790

Ion Ratio Lower Upper

180 100

182 94.8 77.2 115.8

145 33.0 25.8 38.6



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

