

Data File : VW015005.D
Acq On : 19 Feb 2020 13:14
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02523

Quant Time: Feb 20 03:30:34 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020520S.M
Quant Title : VOC Analysis
QLast Update : Mon Feb 17 05:03:33 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	824324	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	750849	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	343002	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	322198	23.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.44%
7) Chloroethane-d5	2.89	69	268096	24.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.16%
10) 1,1-Dichloroethene-d2	4.03	63	636705	25.54	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	102.16%
20) 2-Butanone-d5	7.07	46	199050	51.97	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.94%
24) Chloroform-d	7.65	84	603009	25.76	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.04%
26) 1,2-Dichloroethane-d4	8.31	65	340145	26.26	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.04%
29) Benzene-d6	8.27	84	1175807	24.35	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.40%
33) 1,2-Dichloropropane-d6	9.27	67	397839	25.28	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.12%
37) Toluene-d8	10.32	98	1008136	23.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.88%
38) trans-1,3-Dichloropropene-	10.57	79	148027	23.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.28%
39) 2-Hexanone-d5	10.92	63	138890	48.42	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.84%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	281844	23.79	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.16%
61) 1,2-Dichlorobenzene-d4	13.85	152	284772	21.41	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.64%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	188445	22.236 ug/L	96
3) Chloromethane	2.21	50	332254	25.873 ug/L	100
5) Vinyl chloride	2.37	62	443429	26.446 ug/L	99
6) Bromomethane	2.78	94	188127	22.438 ug/L	99
8) Chloroethane	2.92	64	242436	26.427 ug/L	100
9) Trichlorofluoromethane	3.26	101	203318	29.997 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	314144	26.256 ug/L	93
12) 1,1-Dichloroethene	4.04	96	283502	24.245 ug/L	87
13) Acetone	4.12	43	178781	45.225 ug/L	97
14) Carbon disulfide	4.39	76	889497	25.335 ug/L	100
15) Methyl Acetate	4.67	43	180576	27.759 ug/L	94
16) Methylene chloride	4.92	84	328461	21.872 ug/L	86
17) Methyl tert-butyl Ether	5.42	73	371738	24.334 ug/L	95
18) trans-1,2-Dichloroethene	5.42	96	289208	24.410 ug/L	84
19) 1,1-Dichloroethane	6.21	63	672196	28.005 ug/L	99
21) 2-Butanone	7.17	43	238974	51.632 ug/L	95
22) cis-1,2-Dichloroethene	7.17	96	315056	24.585 ug/L	89

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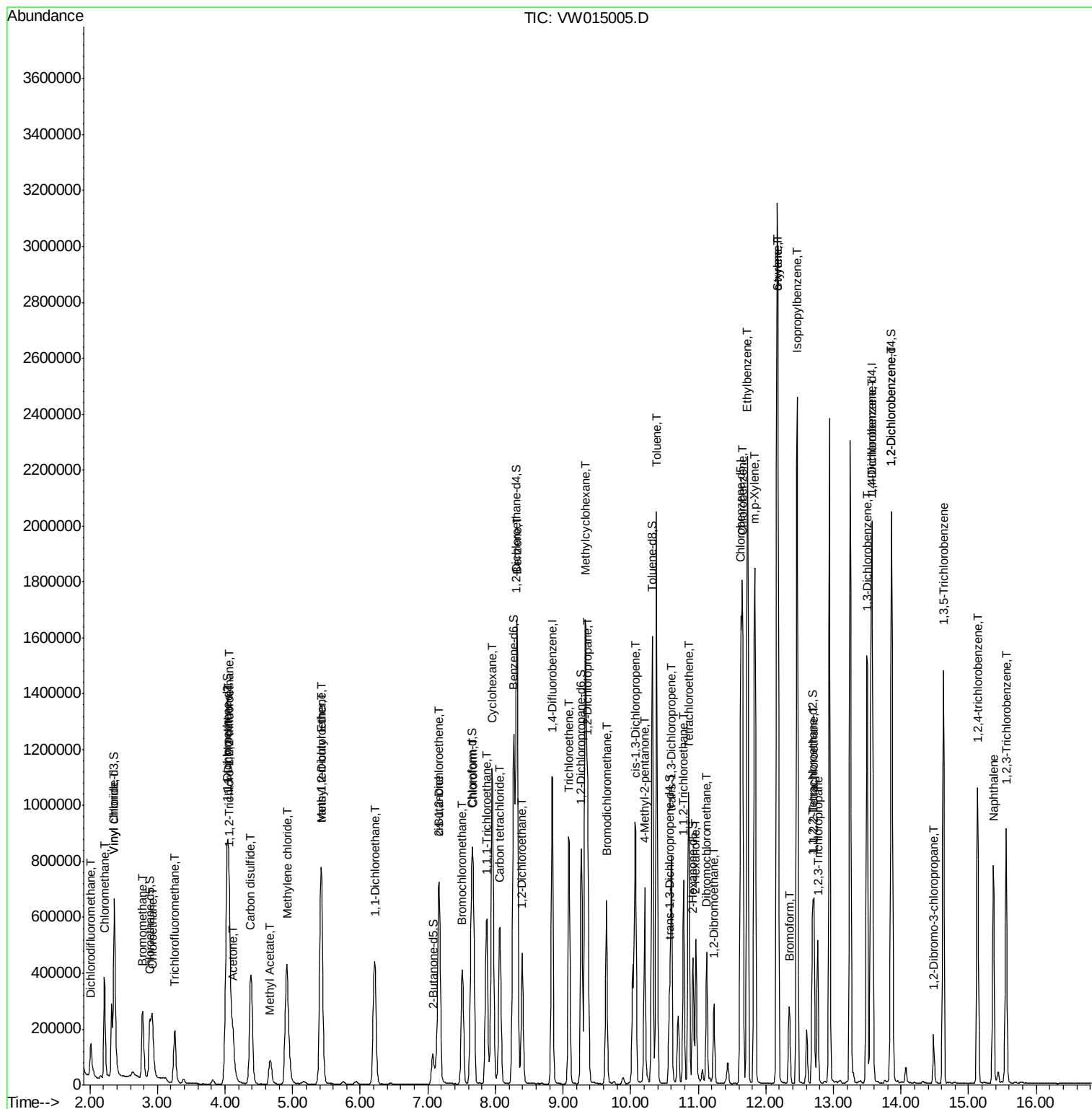
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	119448	22.718	ug/L #	80
25) Chloroform	7.67	83	598210	27.132	ug/L	100
27) 1,2-Dichloroethane	8.40	62	413819	27.223	ug/L	97
30) Cyclohexane	7.95	56	634372	28.355	ug/L	93
31) 1,1,1-Trichloroethane	7.87	97	465268	27.176	ug/L	97
32) Carbon tetrachloride	8.06	117	413361	26.859	ug/L	99
34) Benzene	8.32	78	1363328	26.405	ug/L	100
35) Trichloroethene	9.09	95	316908	24.761	ug/L	94
36) Methylcyclohexane	9.33	83	589067	26.423	ug/L	93
40) 1,2-Dichloropropane	9.37	63	379498	27.466	ug/L	99
41) Bromodichloromethane	9.64	83	425237	26.854	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	522517	26.632	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	486151	53.658	ug/L	94
44) Toluene	10.38	91	1376031	26.252	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	420821	26.635	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	217559	23.919	ug/L	96
47) Tetrachloroethene	10.86	164	203752	21.666	ug/L	92
49) 2-Hexanone	10.96	43	353755	55.587	ug/L	94
50) Dibromochloromethane	11.13	129	229277	23.454	ug/L	100
51) 1,2-Dibromoethane	11.23	107	193125	22.820	ug/L	100
52) Chlorobenzene	11.65	112	777664	24.266	ug/L	94
53) Ethylbenzene	11.73	91	1522906	26.558	ug/L	97
54) m,p-Xylene	11.83	106	533730	25.482	ug/L	91
55) o-xylene	12.16	106	499797	25.072	ug/L	94
56) Styrene	12.18	104	883507	26.224	ug/L	95
57) Isopropylbenzene	12.46	105	1418364	26.493	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.71	83	279447	24.614	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	214885	25.158	ug/L	100
62) Bromoform	12.35	173	114665	21.930	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	549913	23.734	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	548684	23.509	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	502604	23.716	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.48	75	46602	25.790	ug/L #	81
67) 1,3,5-Trichlorobenzene	14.63	180	379605	22.876	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	296016	22.578	ug/L	99
69) Naphthalene	15.36	128	592712	22.983	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	272605	22.518	ug/L	99

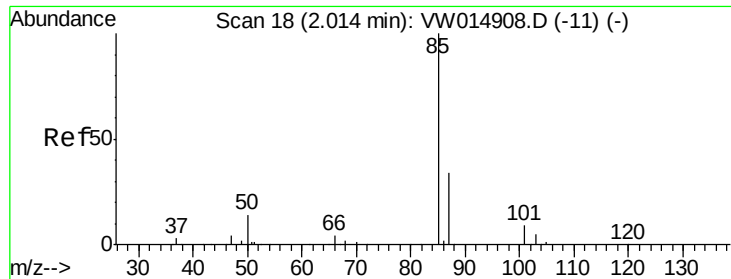
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.236 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW015005.D

Acq: 19 Feb 2020 13:14

Instrument :

MSVOA_W

ClientSampleId :

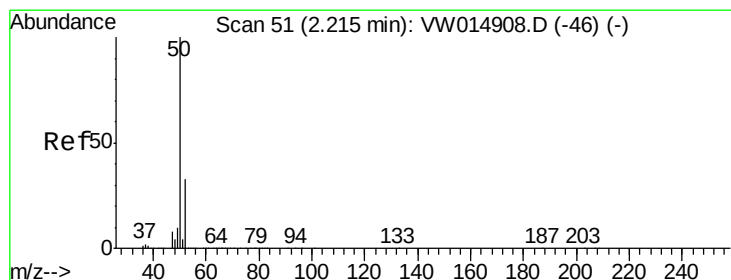
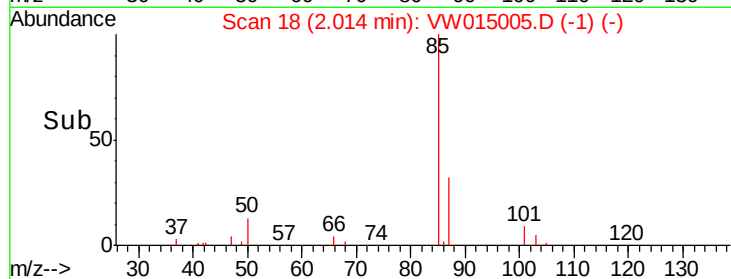
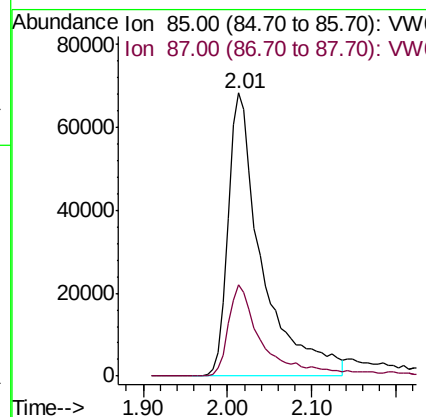
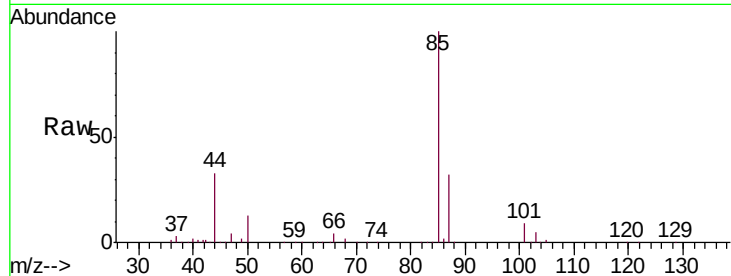
VSTD02523

Tgt Ion: 85 Resp: 188445

Ion Ratio Lower Upper

85 100

87 28.0 18.1 33.7



#3

Chloromethane

Concen: 25.873 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015005.D

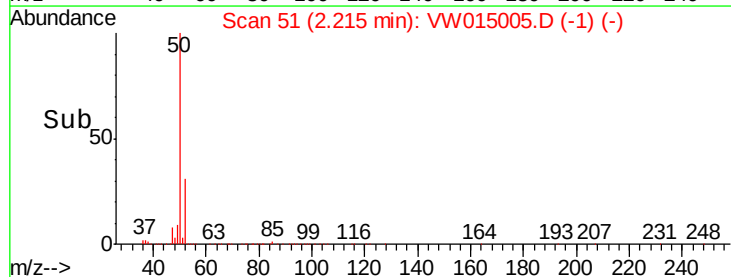
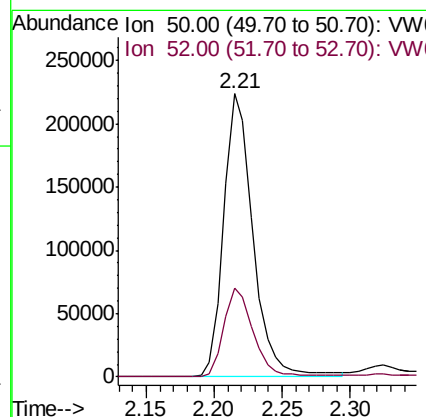
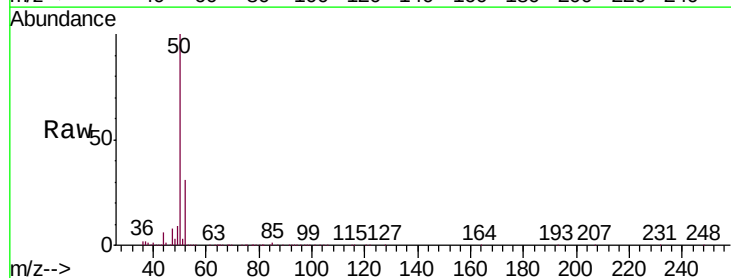
Acq: 19 Feb 2020 13:14

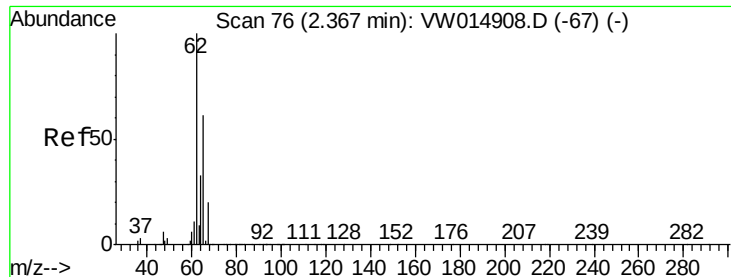
Tgt Ion: 50 Resp: 332254

Ion Ratio Lower Upper

50 100

52 31.5 22.1 41.1





#5

Vinyl chloride

Concen: 26.446 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW015005.D

Acq: 19 Feb 2020 13:14

Instrument :

MSVOA_W

ClientSampleId :

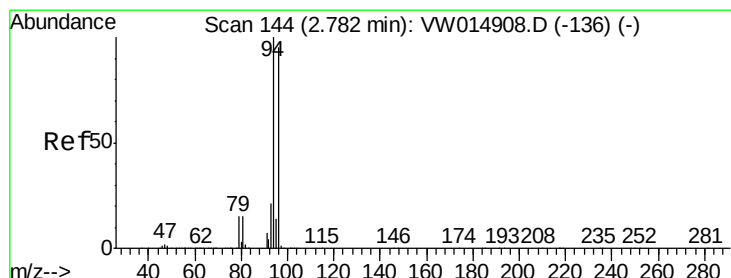
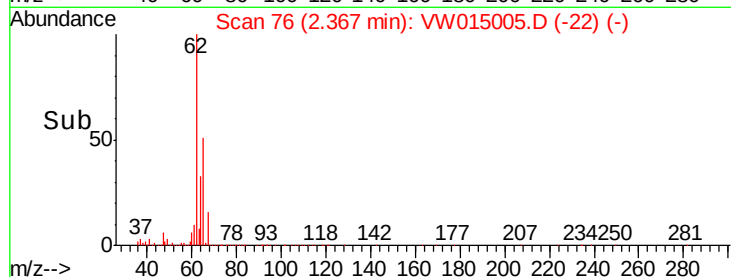
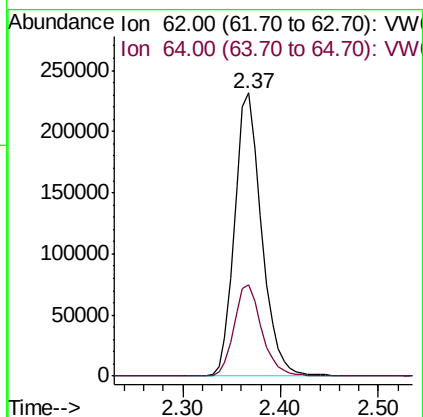
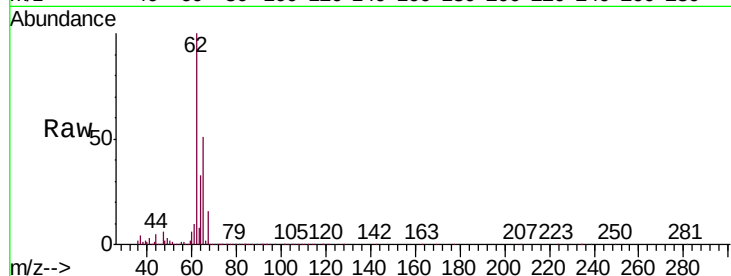
VSTD02523

Tgt Ion: 62 Resp: 443429

Ion Ratio Lower Upper

62 100

64 32.5 22.5 41.9



#6

Bromomethane

Concen: 22.438 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW015005.D

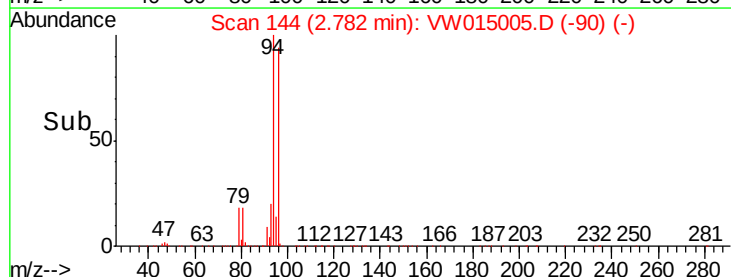
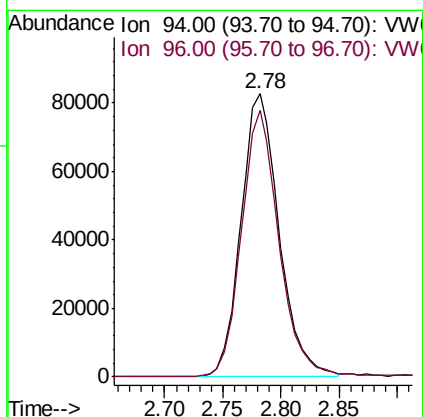
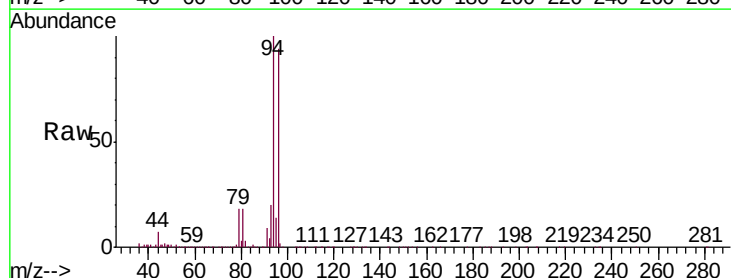
Acq: 19 Feb 2020 13:14

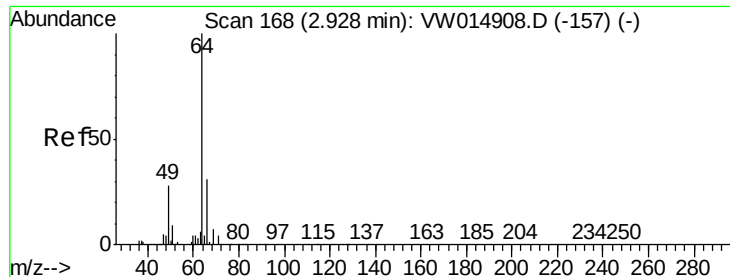
Tgt Ion: 94 Resp: 188127

Ion Ratio Lower Upper

94 100

96 92.5 9.4 178.0

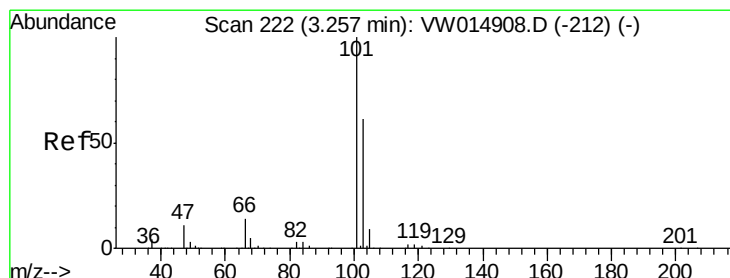
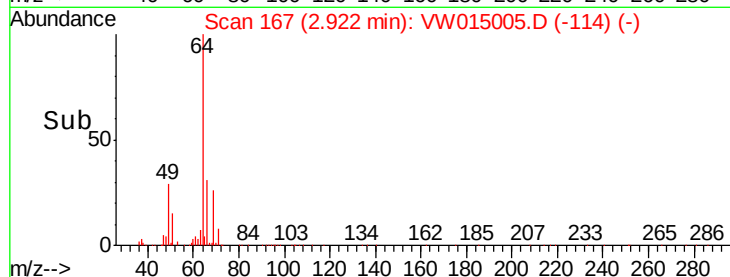
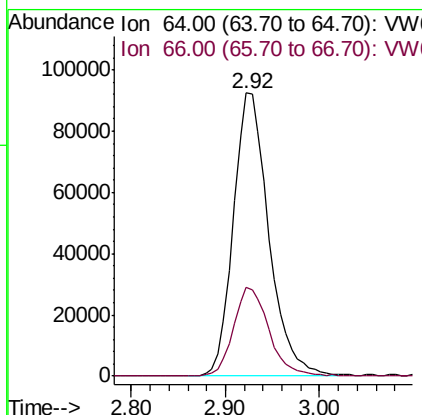
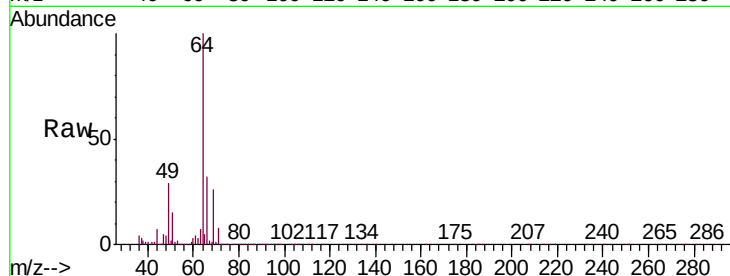




#8
Chloroethane
Concen: 26.427 ug/L
RT: 2.92 min Scan# 167
Delta R.T. -0.01 min
Lab File: VW015005.D
Acq: 19 Feb 2020 13:14

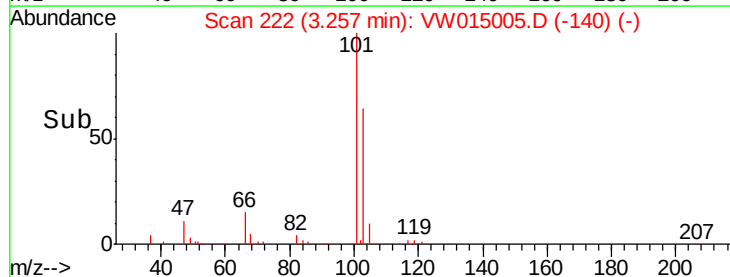
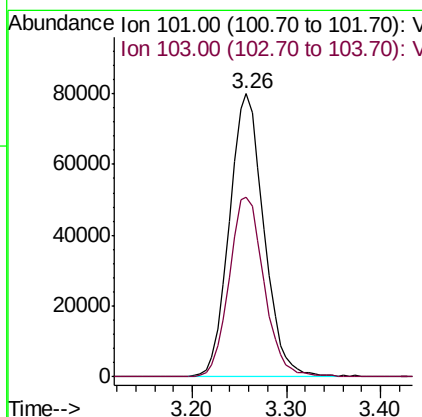
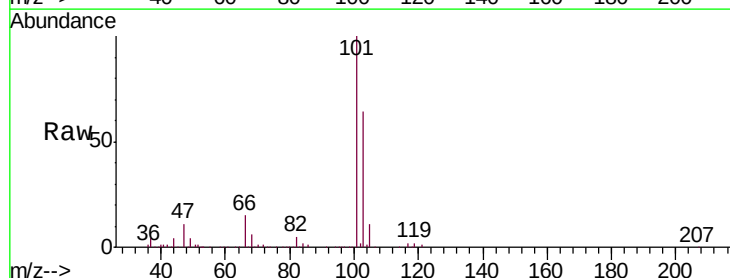
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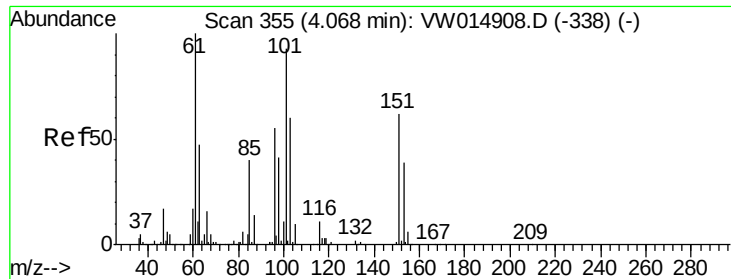
Tgt Ion: 64 Resp: 242436
Ion Ratio Lower Upper
64 100
66 31.5 21.9 40.7



#9
Trichlorofluoromethane
Concen: 29.997 ug/L
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
Lab File: VW015005.D
Acq: 19 Feb 2020 13:14

Tgt Ion: 101 Resp: 203318
Ion Ratio Lower Upper
101 100
103 64.3 45.8 85.0





#11

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

Concen: 26.256 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW015005.D

Acq: 19 Feb 2020 13:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD02523

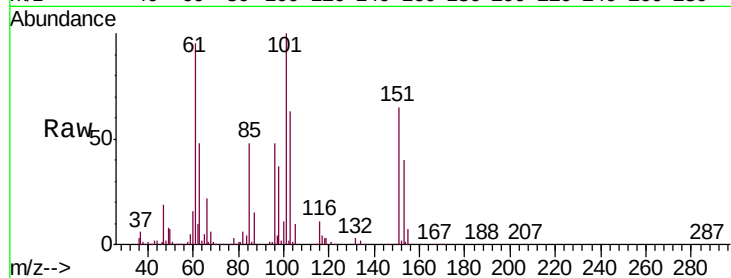
Tgt Ion:101 Resp: 314144

Ion Ratio Lower Upper

101 100

85 46.5 34.8 52.2

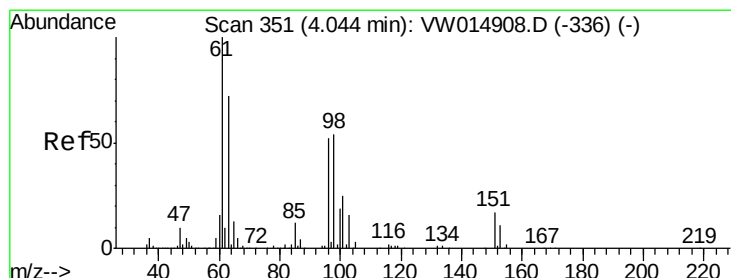
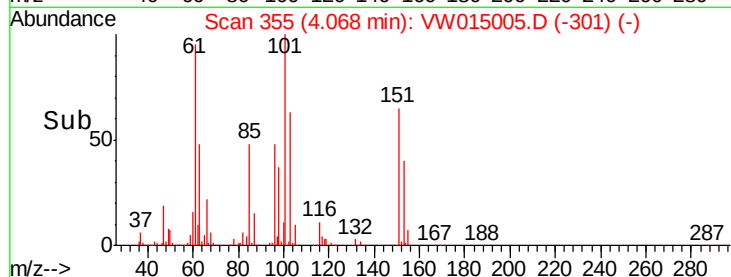
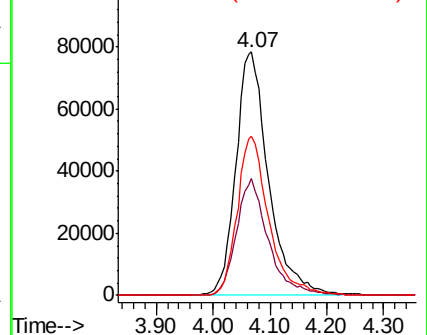
151 63.1 56.3 84.5



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: 24.245 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW015005.D

Acq: 19 Feb 2020 13:14

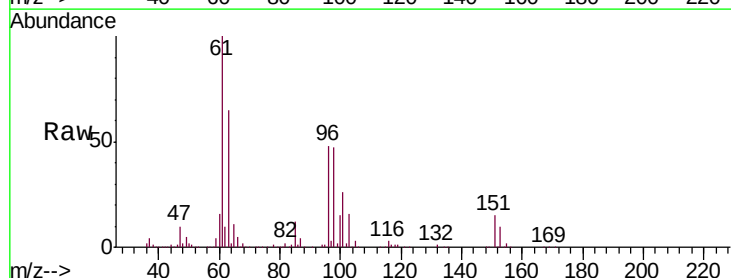
Tgt Ion: 96 Resp: 283502

Ion Ratio Lower Upper

96 100

61 207.3 134.7 250.1

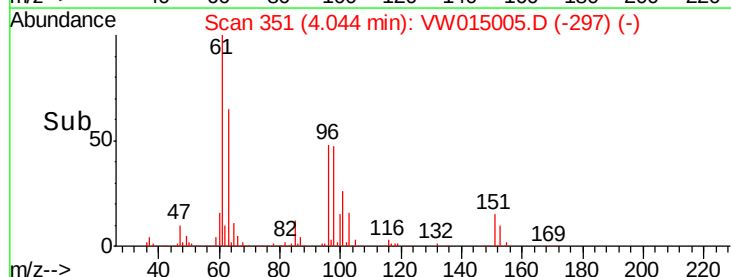
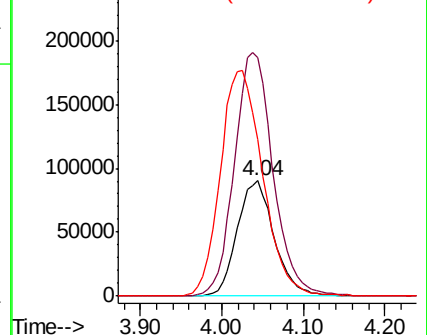
63 135.4 110.2 204.8

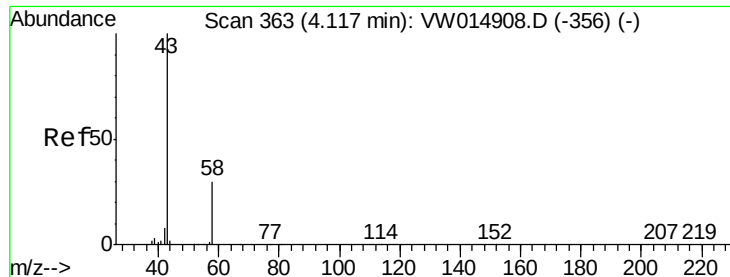


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 45.225 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

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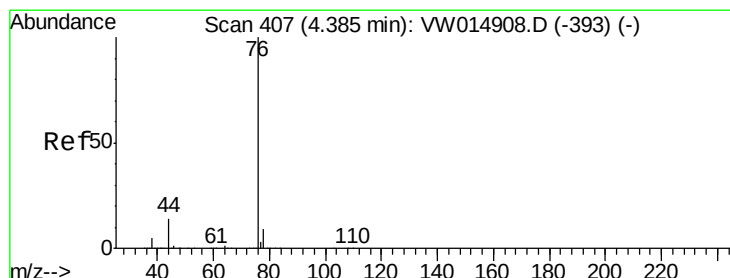
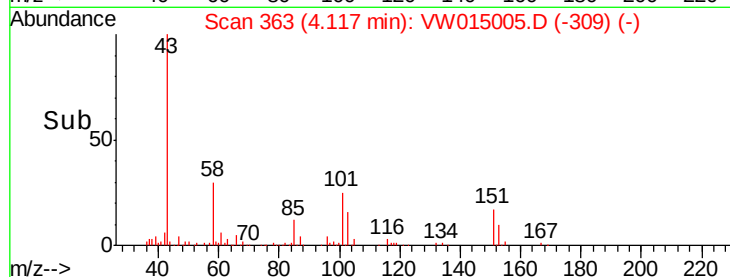
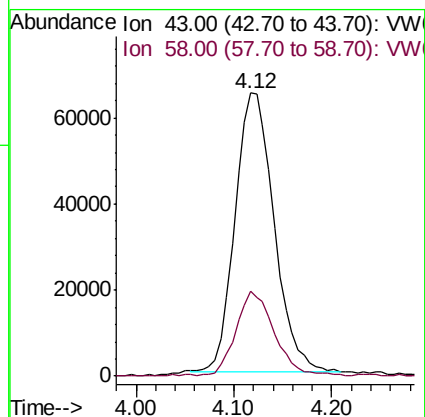
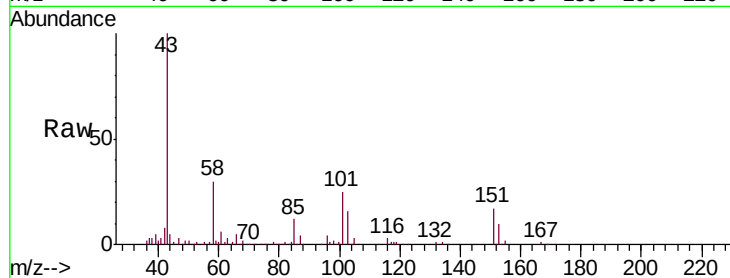
VSTD02523

Tgt Ion: 43 Resp: 178781

Ion Ratio Lower Upper

43 100

58 28.5 0.0 60.4



#14

Carbon disulfide

Concen: 25.335 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW015005.D

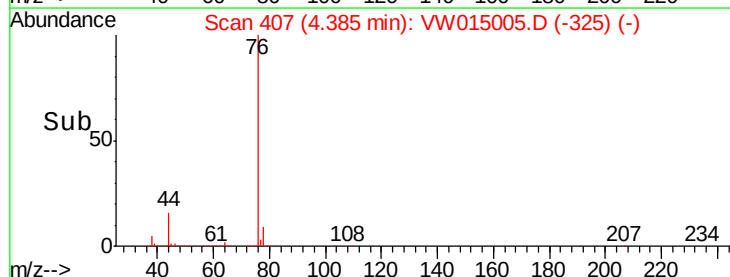
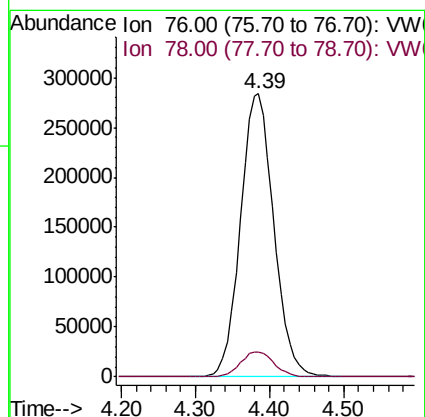
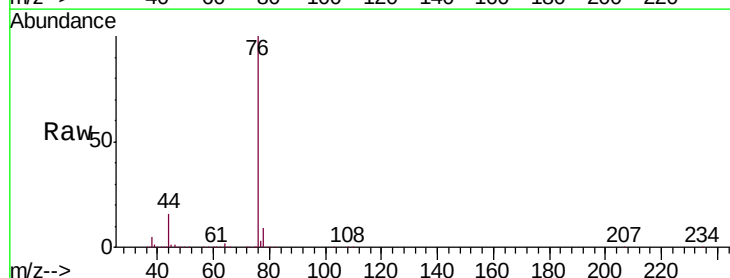
Acq: 19 Feb 2020 13:14

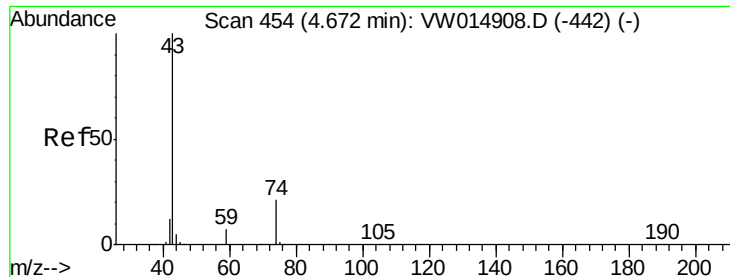
Tgt Ion: 76 Resp: 889497

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.6

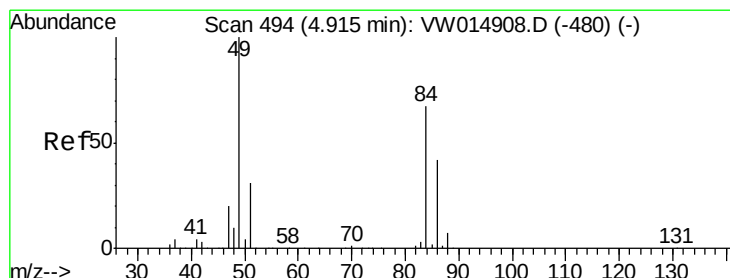
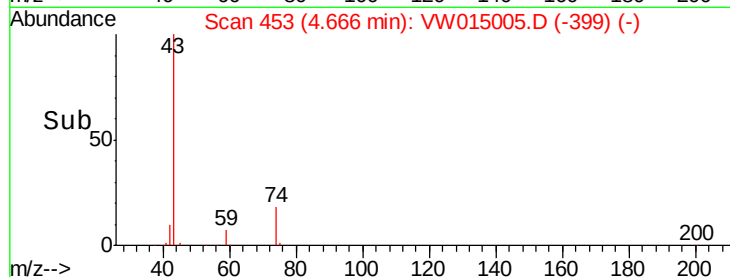
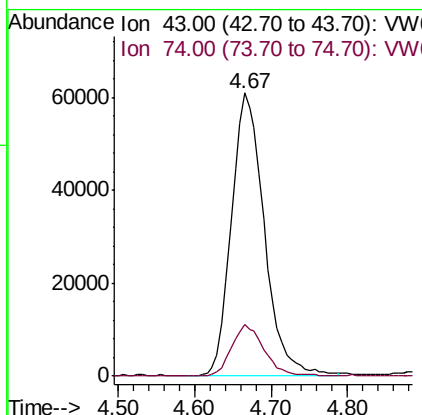
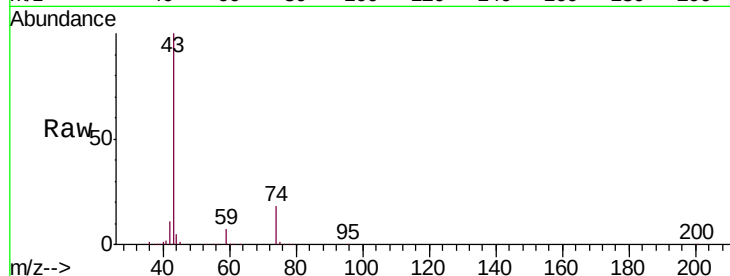




#15
Methyl Acetate
Concen: 27.759 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW015005.D
Acq: 19 Feb 2020 13:14

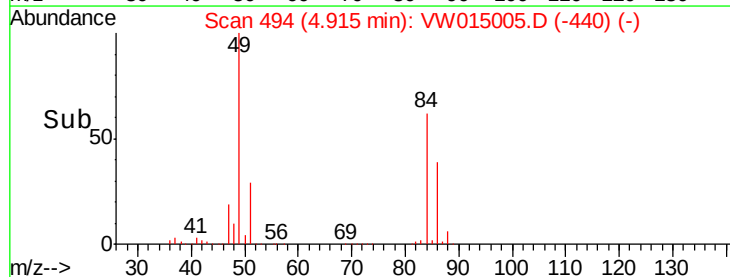
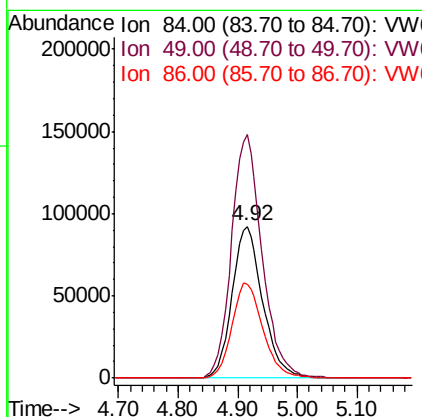
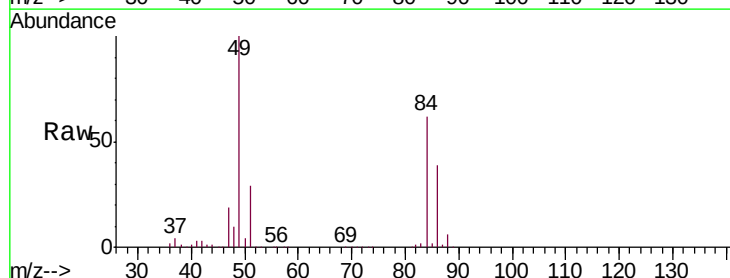
Instrument :
MSVOA_W
ClientSampleId :
VSTD02523

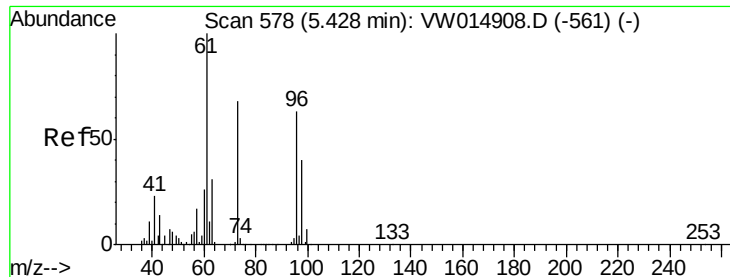
Tgt Ion: 43 Resp: 180576
Ion Ratio Lower Upper
43 100
74 17.7 16.5 24.7



#16
Methylene chloride
Concen: 21.872 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW015005.D
Acq: 19 Feb 2020 13:14

Tgt Ion: 84 Resp: 328461
Ion Ratio Lower Upper
84 100
49 160.2 95.8 177.8
86 61.9 44.2 82.2

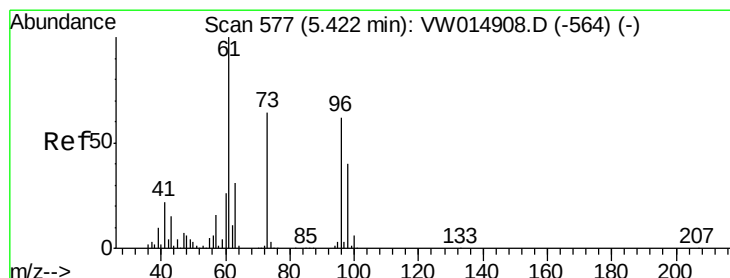
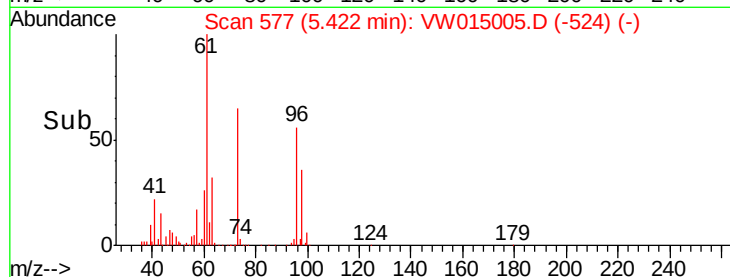
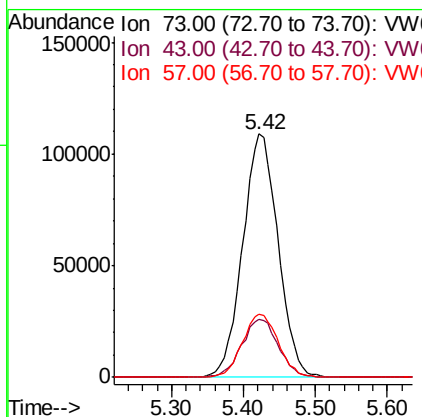
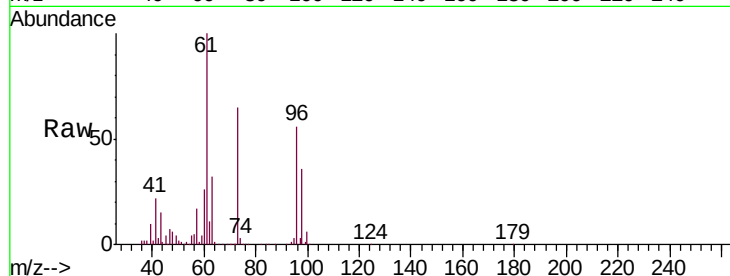




#17
Methyl tert-butyl Ether
Concen: 24.334 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW015005.D
Acq: 19 Feb 2020 13:14

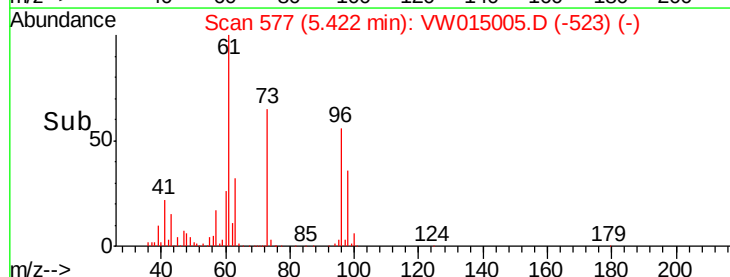
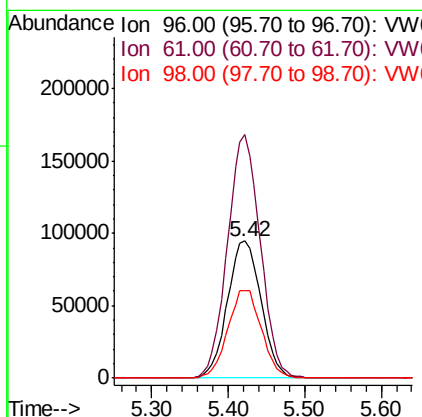
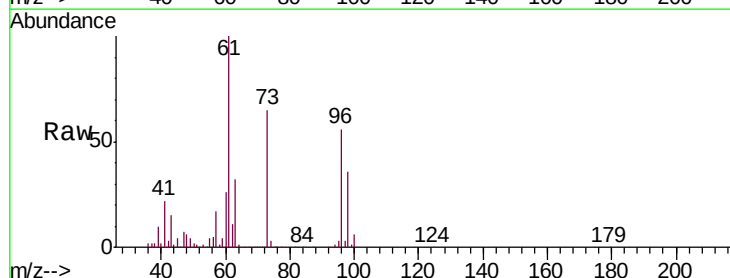
Instrument :
MSVOA_W
ClientSampleId :
VSTD02523

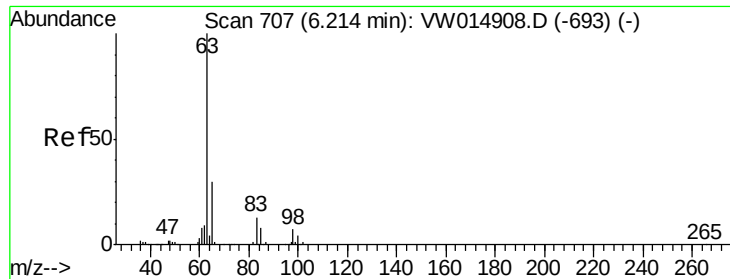
Tgt Ion: 73 Resp: 371738
Ion Ratio Lower Upper
73 100
43 24.3 17.5 26.3
57 26.3 19.4 29.0



#18
trans-1,2-Dichloroethene
Concen: 24.410 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW015005.D
Acq: 19 Feb 2020 13:14

Tgt Ion: 96 Resp: 289208
Ion Ratio Lower Upper
96 100
61 177.6 104.4 194.0
98 63.5 43.8 81.3

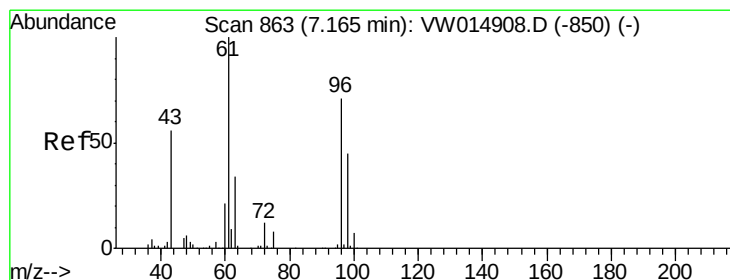
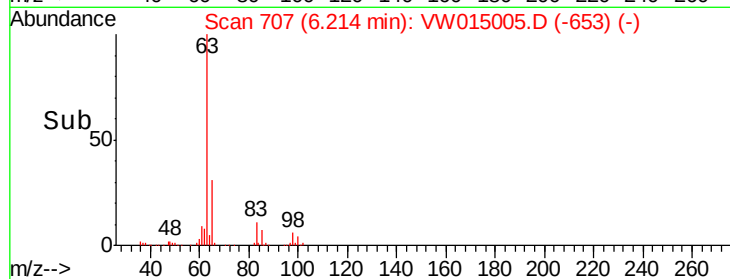
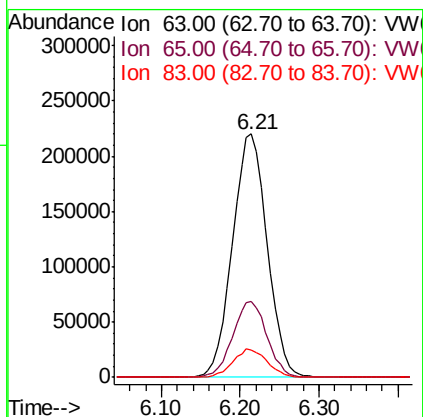
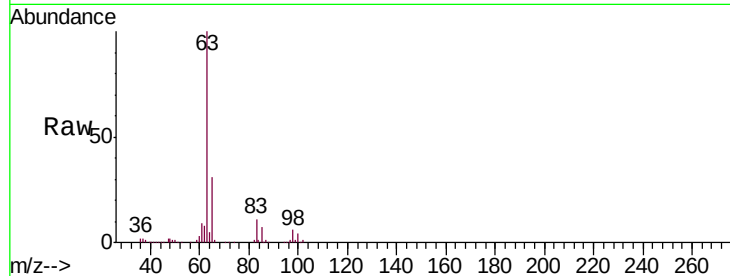




#19
 1,1-Dichloroethane
 Concen: 28.005 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW015005.D
 Acq: 19 Feb 2020 13:14

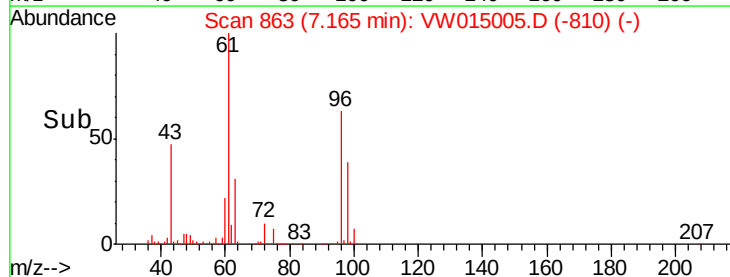
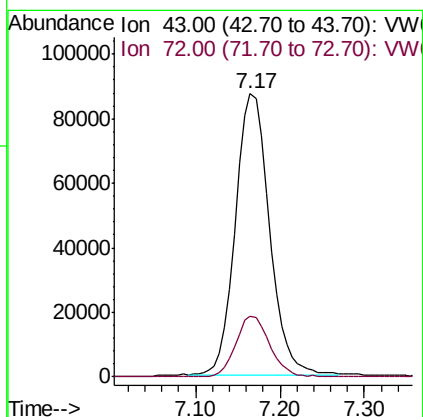
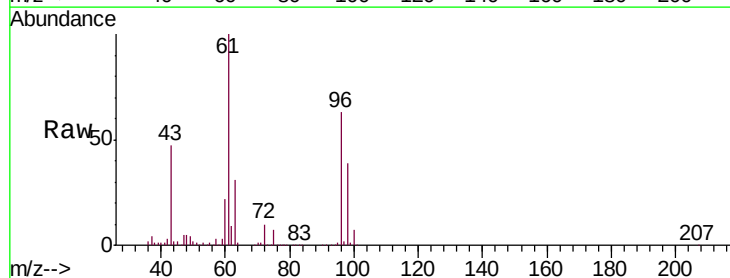
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02523

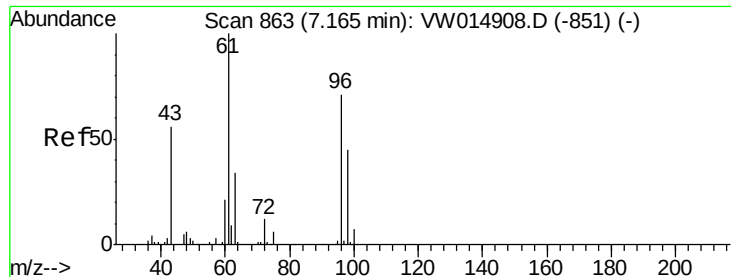
Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.9	21.5	39.9
83	11.3	8.8	16.3



#21
 2-Butanone
 Concen: 51.632 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW015005.D
 Acq: 19 Feb 2020 13:14

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.5	11.9	35.5



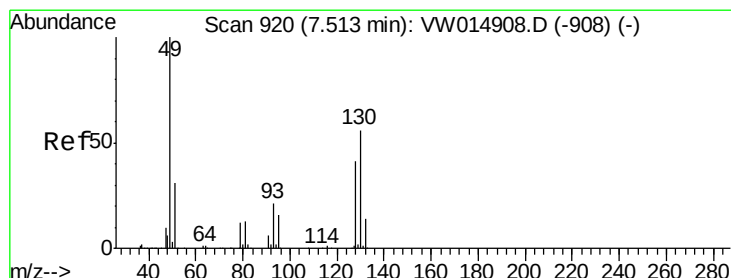
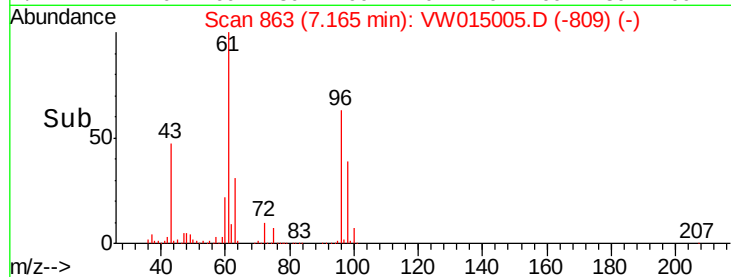
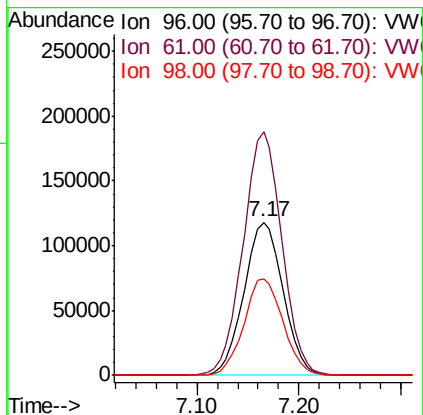
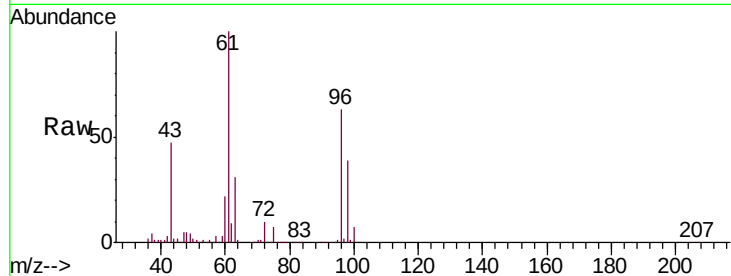


#22

cis-1,2-Dichloroethene
Concen: 24.585 ug/L
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW015005.D
Acq: 19 Feb 2020 13:14

Instrument :
MSVOA_W
ClientSampled :
VSTD02523

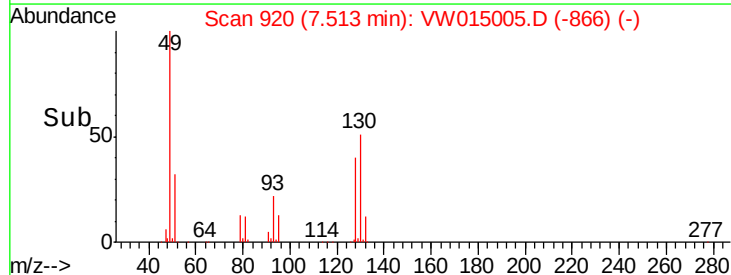
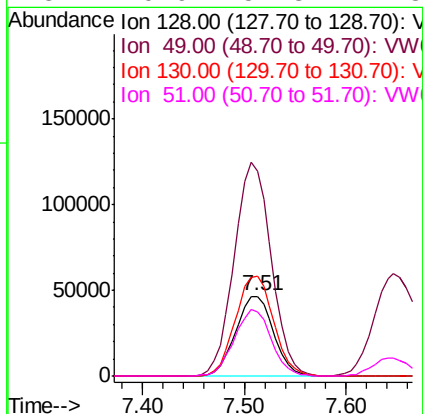
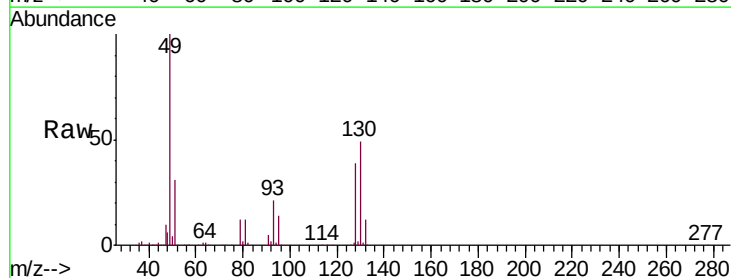
Tgt Ion: 96 Resp: 315056
Ion Ratio Lower Upper
96 100
61 159.4 98.6 183.0
98 62.8 44.2 82.2

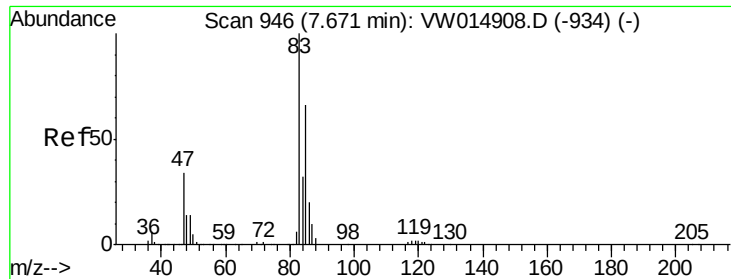


#23

Bromochloromethane
Concen: 22.718 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW015005.D
Acq: 19 Feb 2020 13:14

Tgt Ion: 128 Resp: 119448
Ion Ratio Lower Upper
128 100
49 256.1 146.0 271.2
130 125.7 90.9 168.9
51 79.9 51.8 77.8#

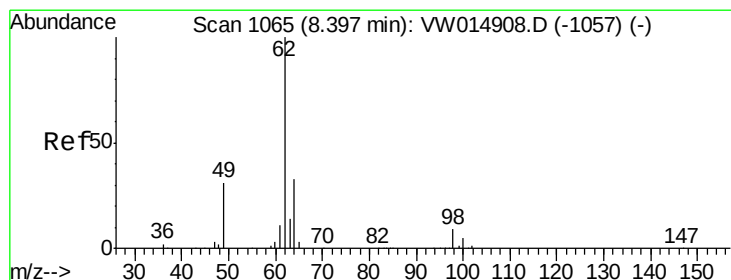
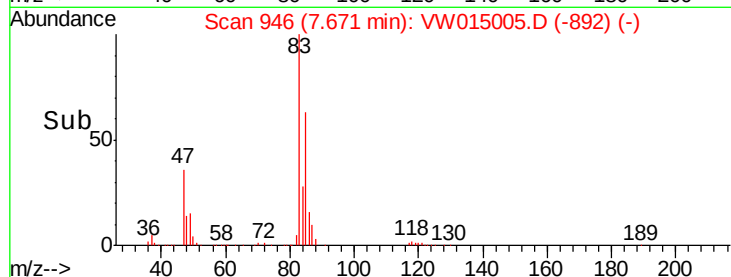
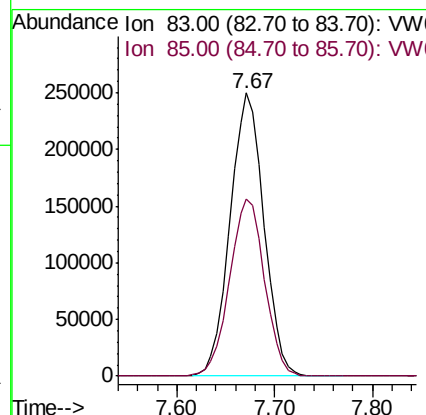
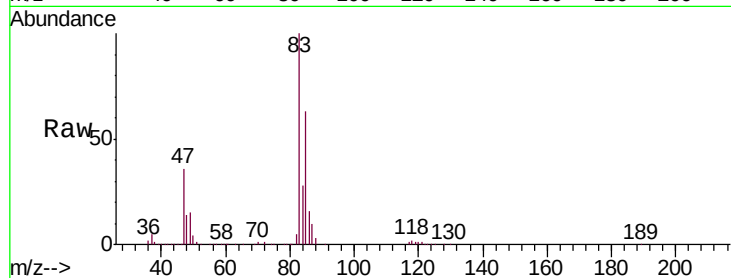




#25
Chloroform
Concen: 27.132 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW015005.D
Acq: 19 Feb 2020 13:14

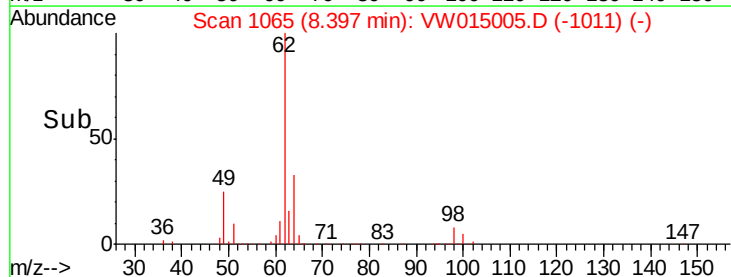
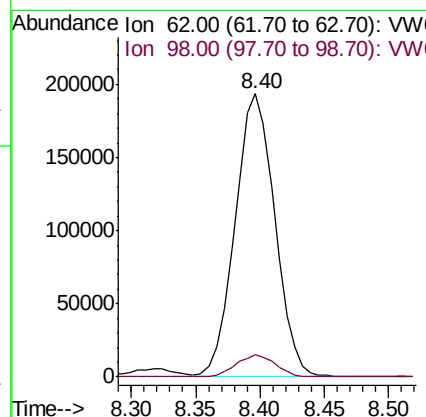
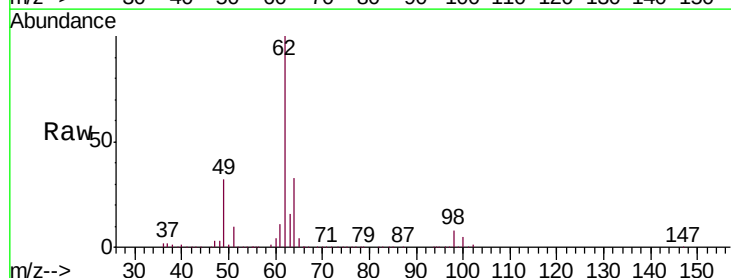
Instrument :
MSVOA_W
ClientSampleId :
VSTD02523

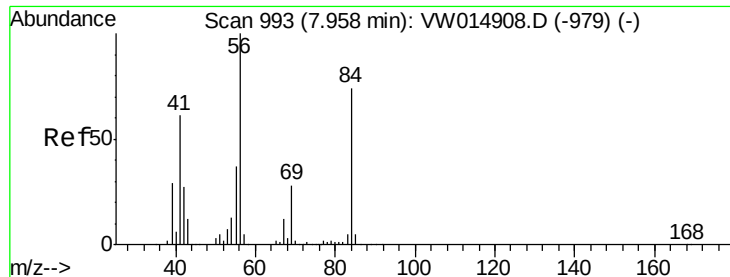
Tgt Ion: 83 Resp: 598210
Ion Ratio Lower Upper
83 100
85 64.9 45.4 84.4



#27
1,2-Dichloroethane
Concen: 27.223 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW015005.D
Acq: 19 Feb 2020 13:14

Tgt Ion: 62 Resp: 413819
Ion Ratio Lower Upper
62 100
98 8.0 7.2 10.8

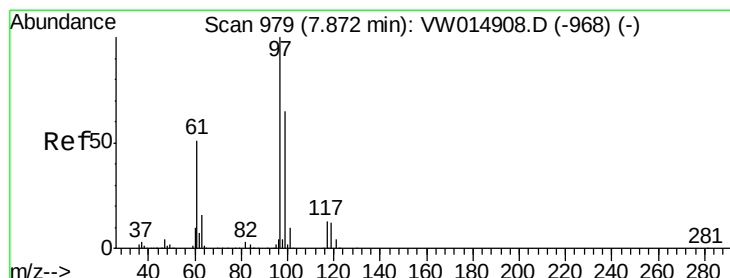
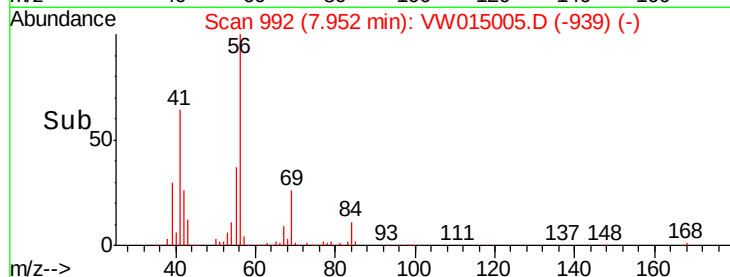
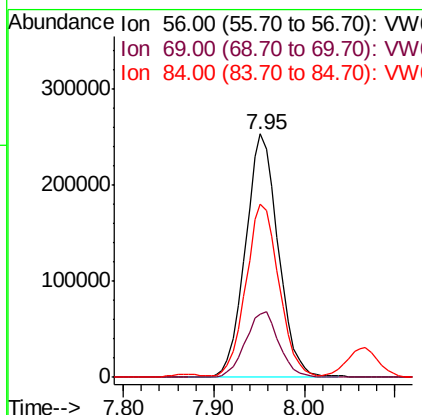
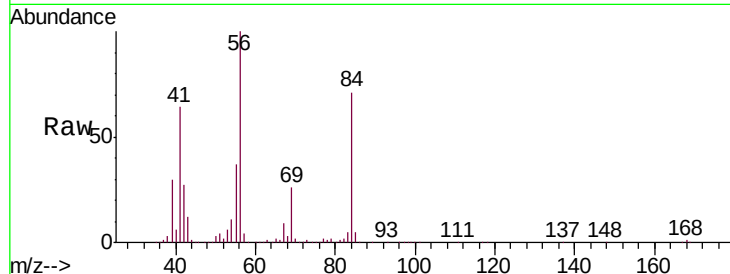




#30
Cyclohexane
Concen: 28.355 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW015005.D
Acq: 19 Feb 2020 13:14

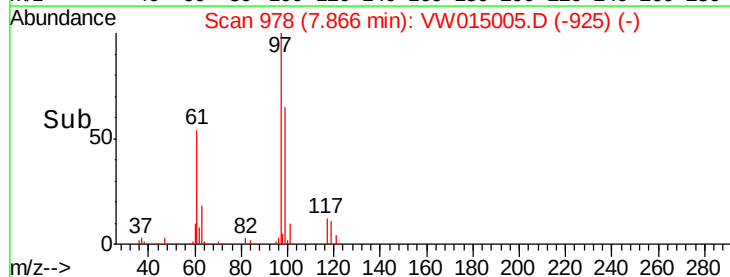
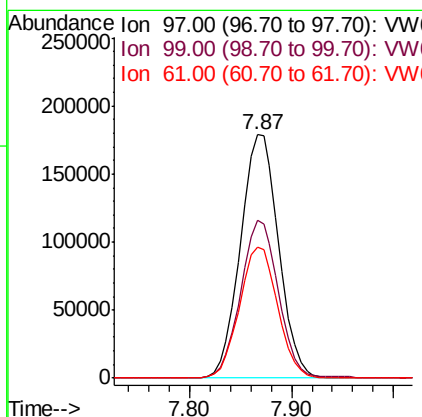
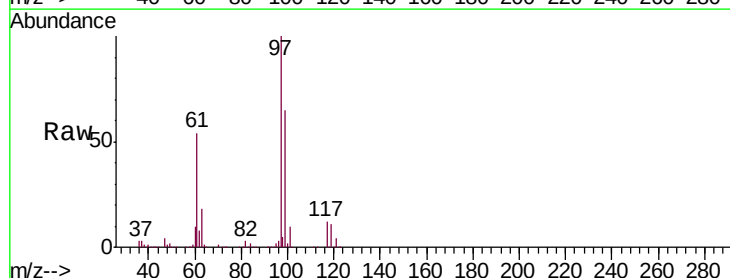
Instrument :
MSVOA_W
ClientSampleId :
VSTD02523

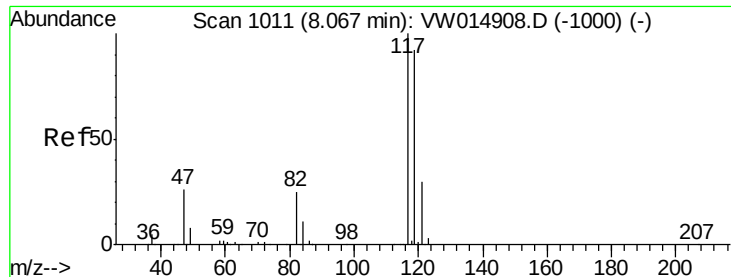
Tgt Ion: 56 Resp: 634372
Ion Ratio Lower Upper
56 100
69 27.2 22.9 34.3
84 71.9 63.8 95.6



#31
1,1,1-Trichloroethane
Concen: 27.176 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW015005.D
Acq: 19 Feb 2020 13:14

Tgt Ion: 97 Resp: 465268
Ion Ratio Lower Upper
97 100
99 63.9 51.0 76.6
61 54.0 38.9 58.3

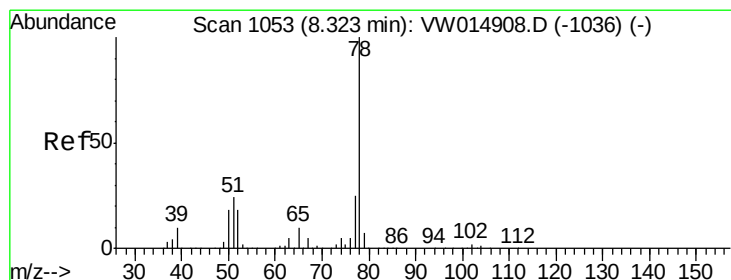
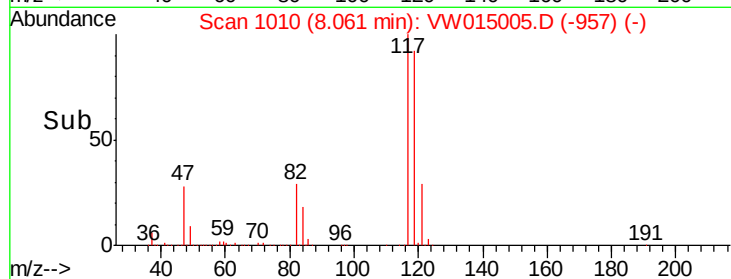
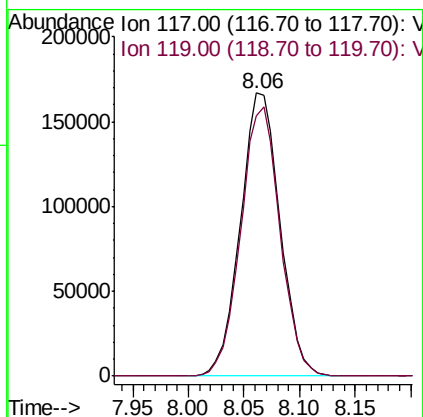
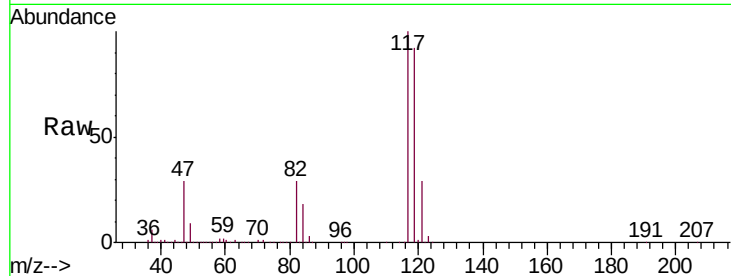




#32
Carbon tetrachloride
Concen: 26.859 ug/L
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW015005.D
Acq: 19 Feb 2020 13:14

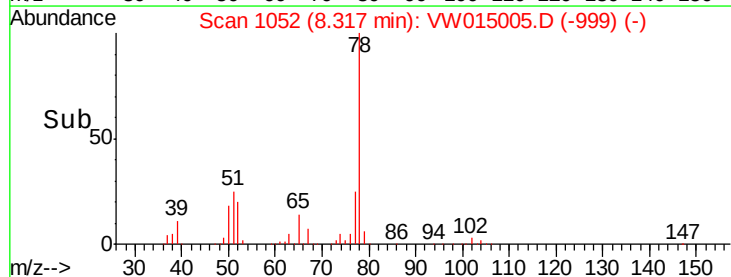
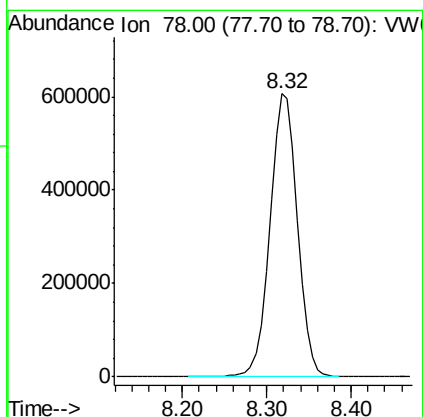
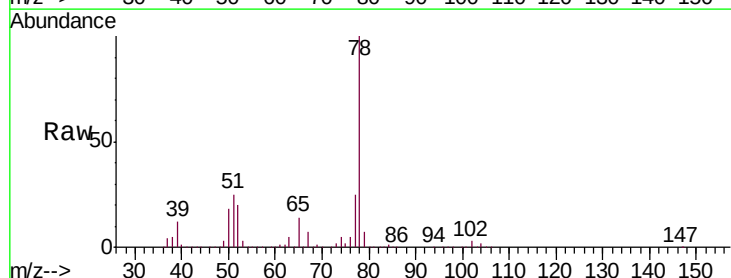
Instrument :
MSVOA_W
ClientSampleId :
VSTD02523

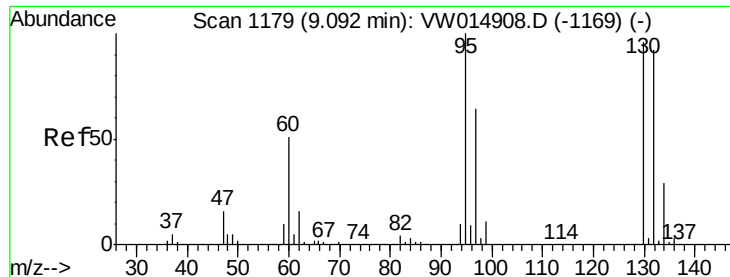
Tgt Ion:117 Resp: 413361
Ion Ratio Lower Upper
117 100
119 94.4 76.3 114.5



#34
Benzene
Concen: 26.405 ug/L
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW015005.D
Acq: 19 Feb 2020 13:14

Tgt Ion: 78 Resp: 1363328





#35

Trichloroethene

Concen: 24.761 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW015005.D

Acq: 19 Feb 2020 13:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD02523

Tgt Ion: 95 Resp: 316908

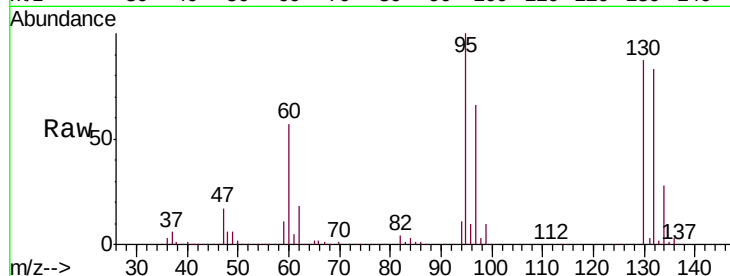
Ion Ratio Lower Upper

95 100

97 64.0 44.4 82.5

132 84.6 63.6 118.0

130 88.3 67.3 124.9

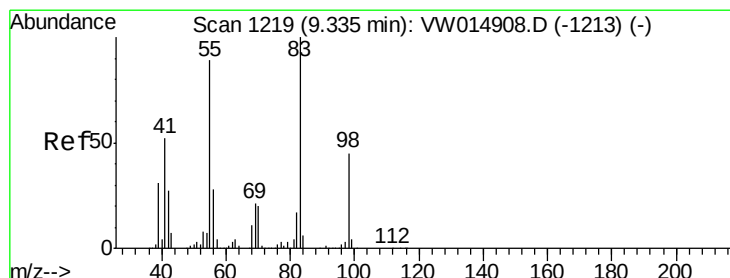
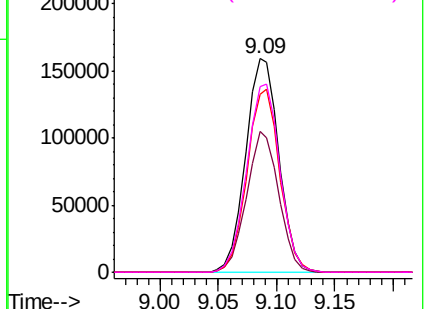
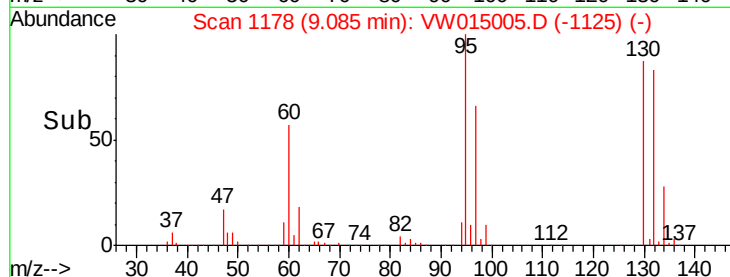


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 26.423 ug/L

RT: 9.33 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VW015005.D

Acq: 19 Feb 2020 13:14

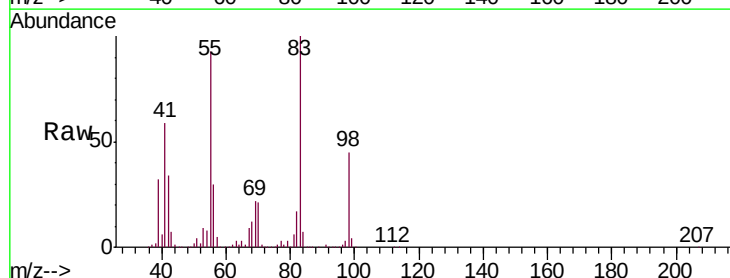
Tgt Ion: 83 Resp: 589067

Ion Ratio Lower Upper

83 100

55 94.2 68.0 102.0

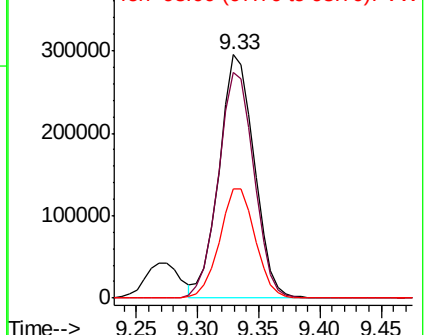
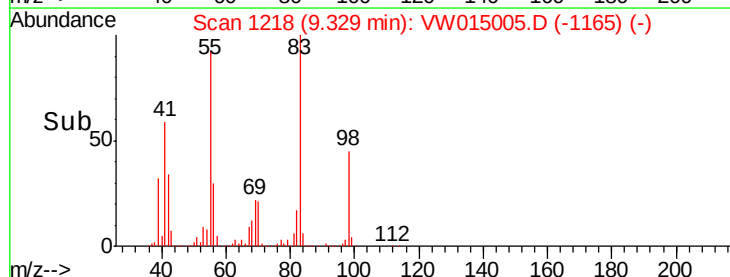
98 45.8 37.8 56.6

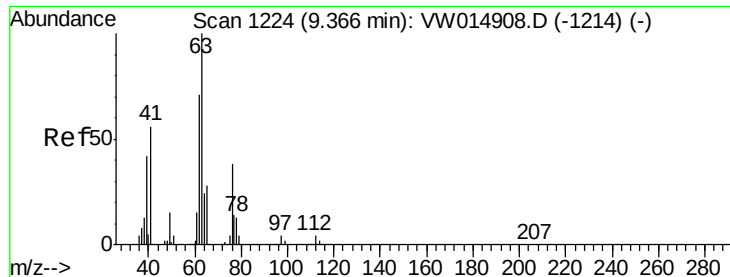


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

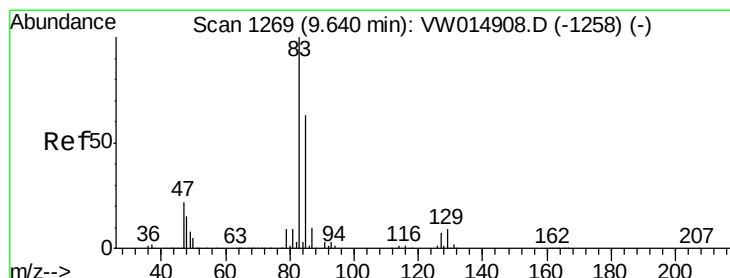
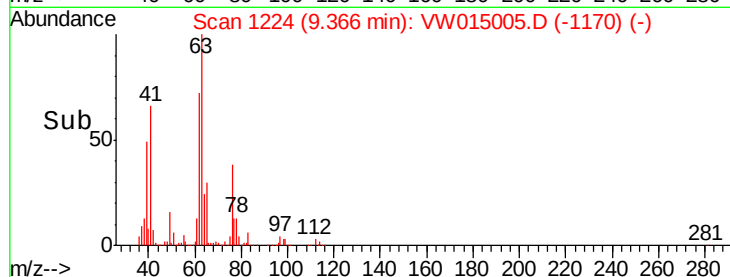
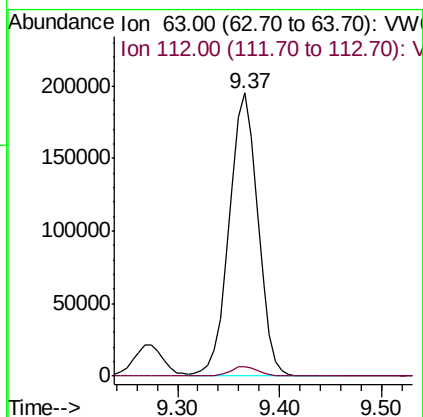
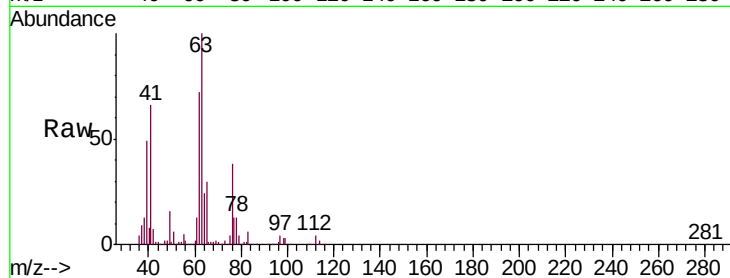




#40
 1,2-Dichloropropane
 Concen: 27.466 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW015005.D
 Acq: 19 Feb 2020 13:14

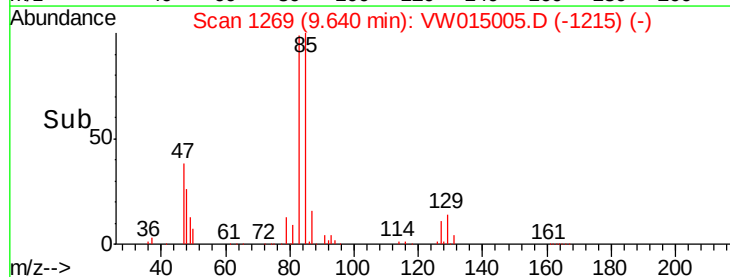
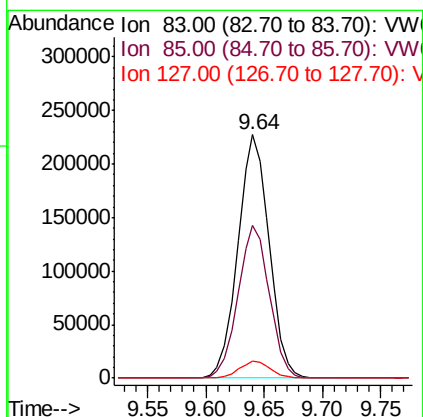
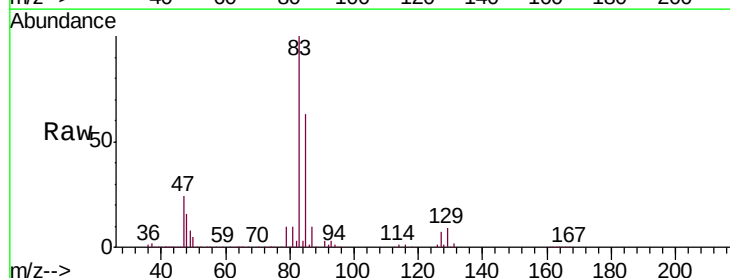
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02523

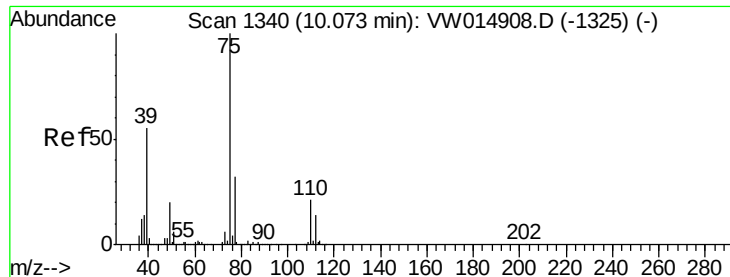
Tgt Ion: 63 Resp: 379498
 Ion Ratio Lower Upper
 63 100
 112 3.4 3.1 4.7



#41
 Bromodichloromethane
 Concen: 26.854 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW015005.D
 Acq: 19 Feb 2020 13:14

Tgt Ion: 83 Resp: 425237
 Ion Ratio Lower Upper
 83 100
 85 62.7 44.2 82.0
 127 7.1 6.0 9.0





#42

cis-1,3-Dichloropropene

Concen: 26.632 ug/L

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW015005.D

Acq: 19 Feb 2020 13:14

Instrument :

MSVOA_W

ClientSampleId :

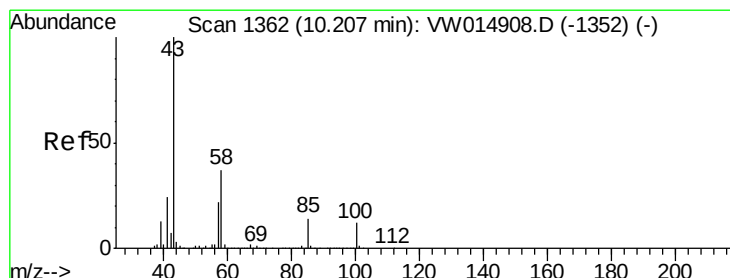
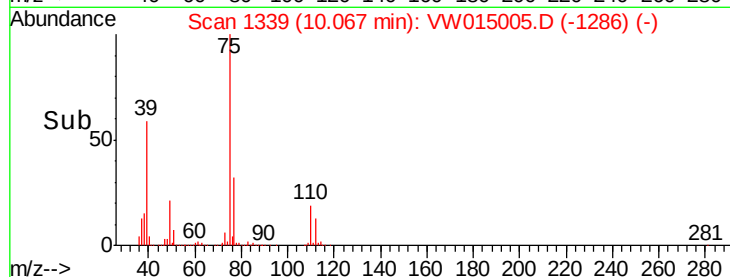
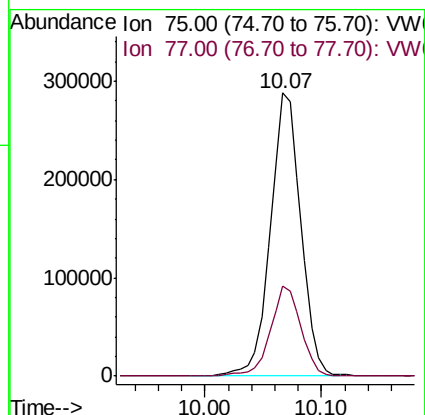
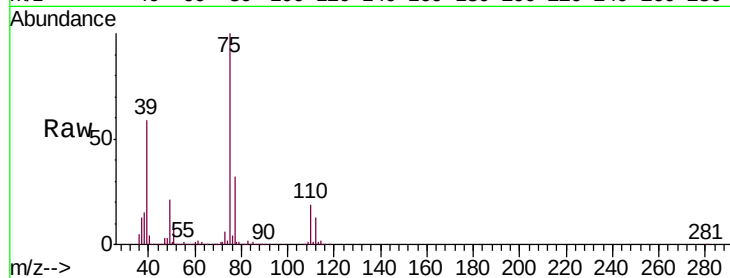
VSTD02523

Tgt Ion: 75 Resp: 522517

Ion Ratio Lower Upper

75 100

77 31.9 22.5 41.9



#43

4-Methyl-2-pentanone

Concen: 53.658 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW015005.D

Acq: 19 Feb 2020 13:14

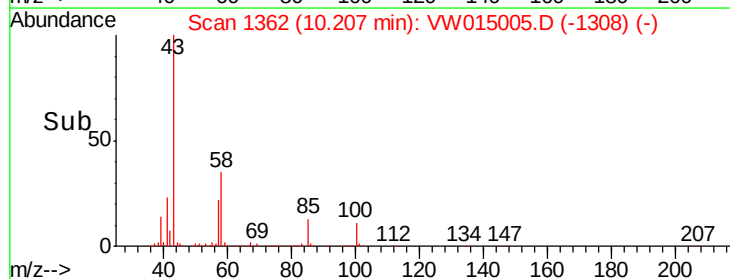
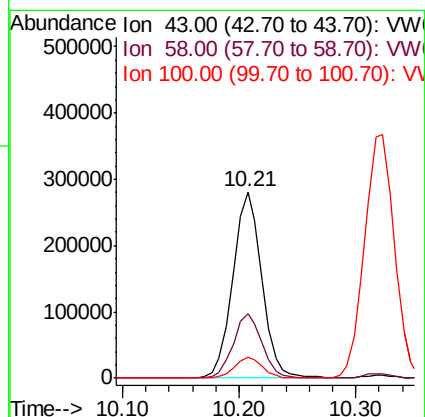
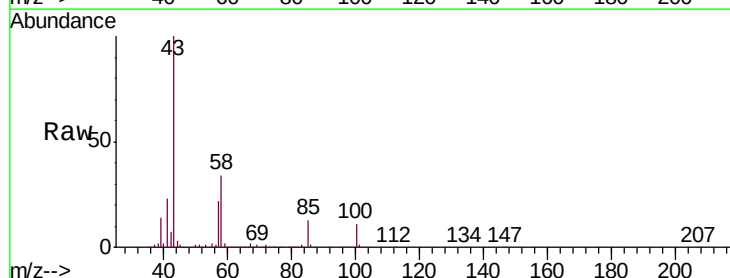
Tgt Ion: 43 Resp: 486151

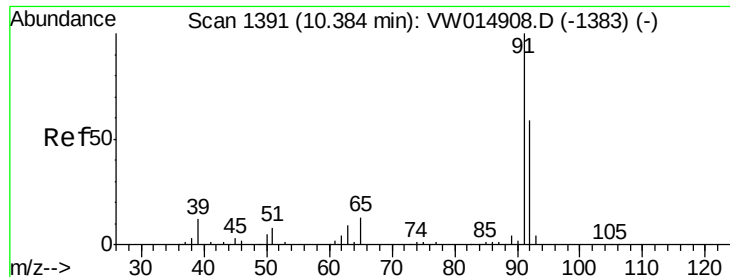
Ion Ratio Lower Upper

43 100

58 34.1 30.0 45.0

100 10.8 10.6 15.8





#44

Toluene

Concen: 26.252 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW015005.D

Acq: 19 Feb 2020 13:14

Instrument :

MSVOA_W

ClientSampleId :

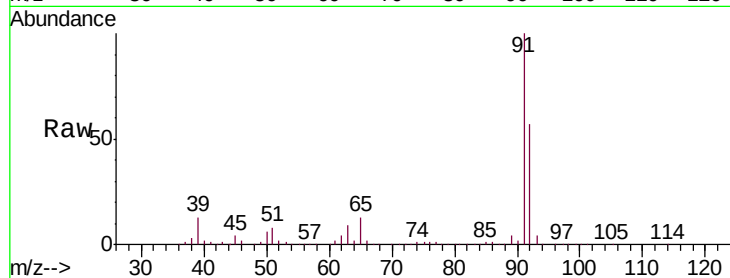
VSTD02523

Tgt Ion: 91 Resp: 1376031

Ion Ratio Lower Upper

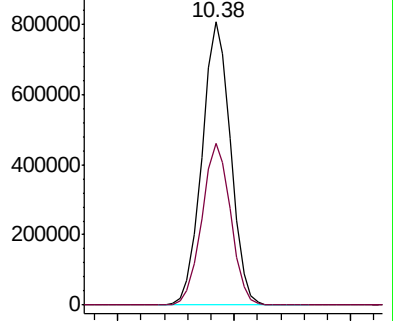
91 100

92 57.3 41.4 77.0

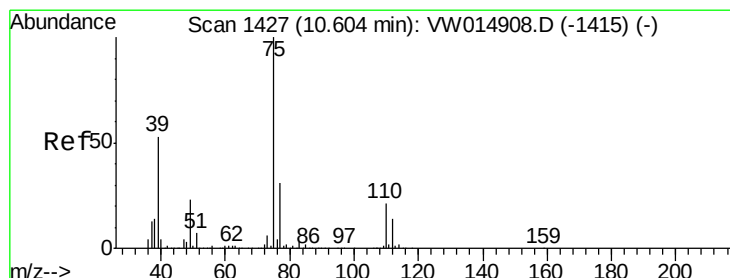
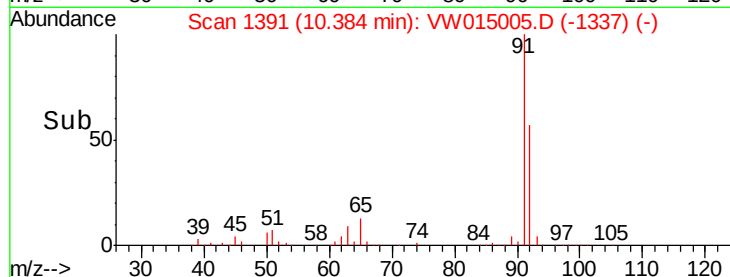


Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



Time-->



#45

trans-1,3-Dichloropropene

Concen: 26.635 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW015005.D

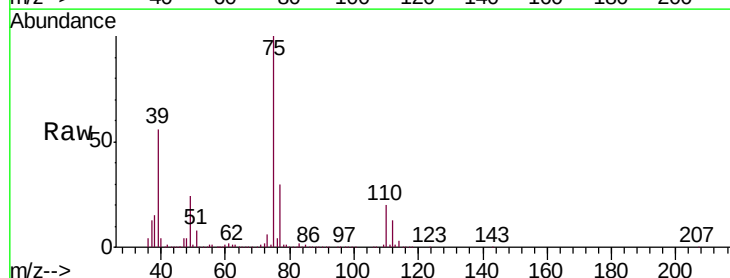
Acq: 19 Feb 2020 13:14

Tgt Ion: 75 Resp: 420821

Ion Ratio Lower Upper

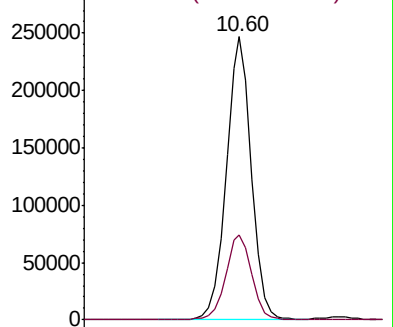
75 100

77 30.1 21.8 40.6

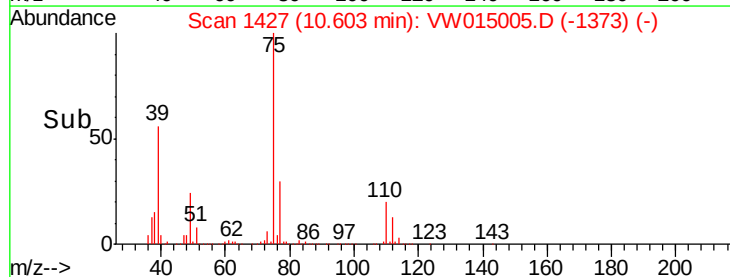


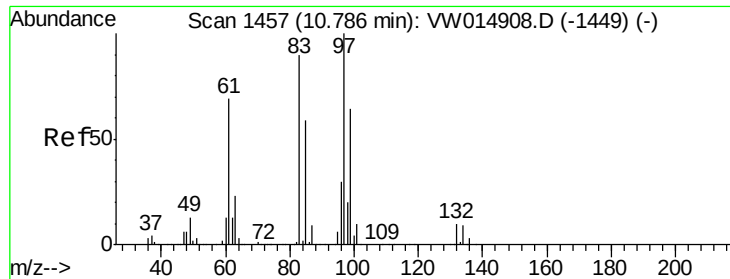
Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



Time-->





#46

1,1,2-Trichloroethane

Concen: 23.919 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW015005.D

Acq: 19 Feb 2020 13:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD02523

Tgt Ion: 97 Resp: 217559

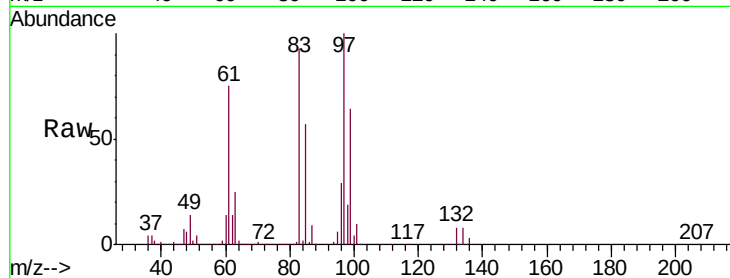
Ion Ratio Lower Upper

97 100

83 93.3 60.8 112.8

85 57.2 39.9 74.1

99 63.6 42.8 79.6



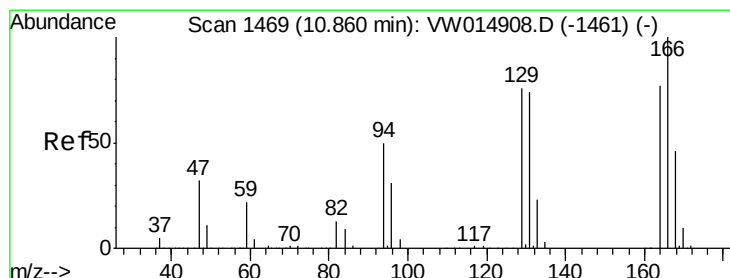
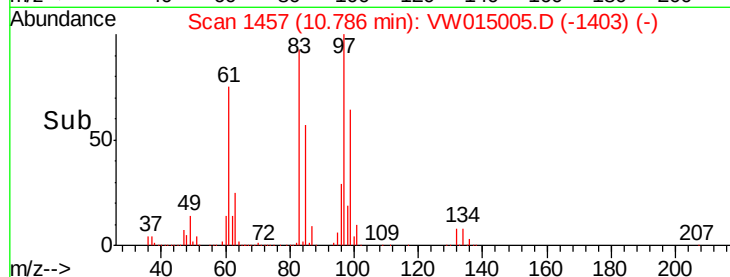
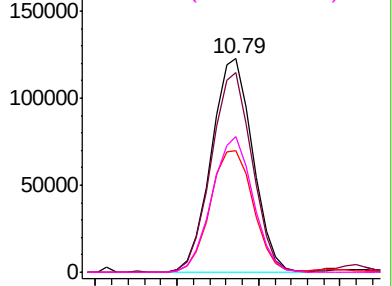
Abundance

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: 21.666 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW015005.D

Acq: 19 Feb 2020 13:14

Tgt Ion: 164 Resp: 203752

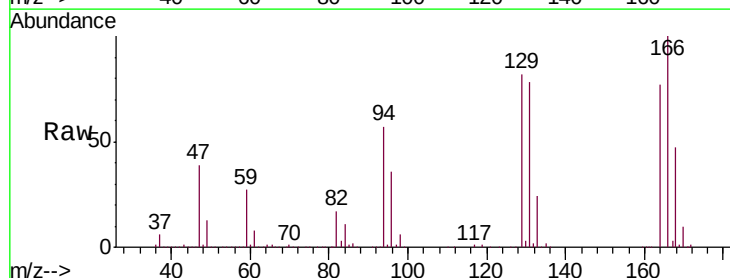
Ion Ratio Lower Upper

164 100

129 106.7 67.5 125.4

131 101.6 64.0 119.0

166 130.2 87.0 161.6



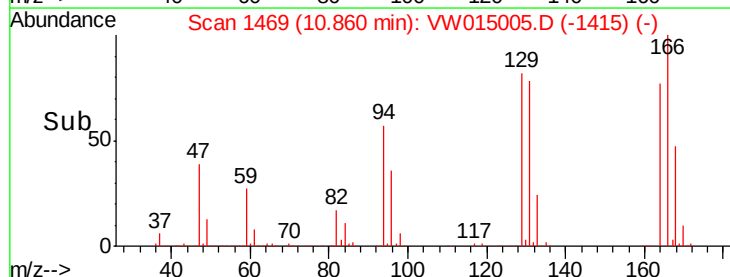
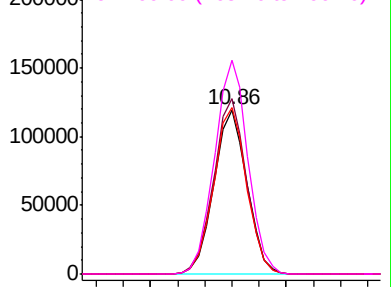
Abundance

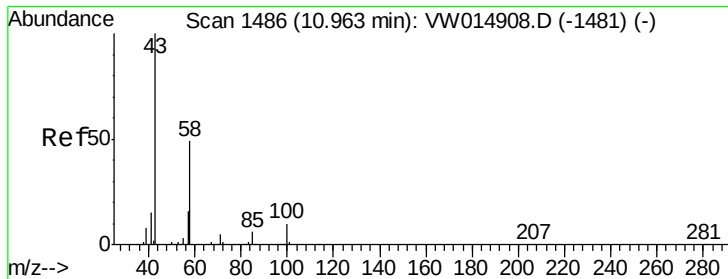
Ion 164.00 (163.70 to 164.70): V

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

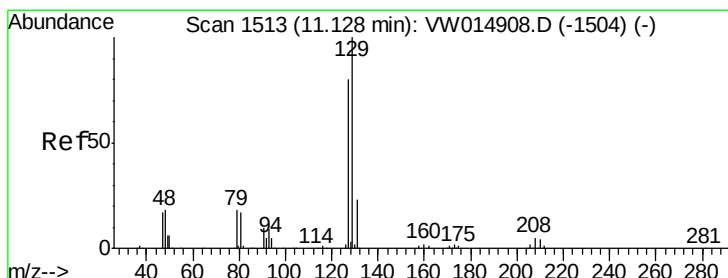
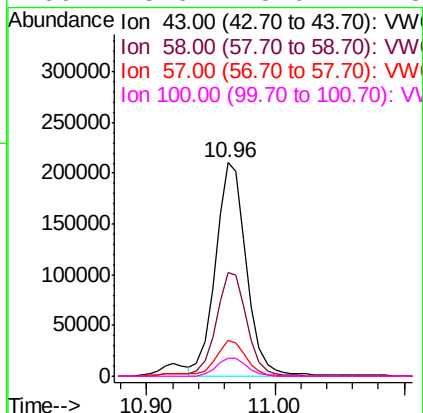
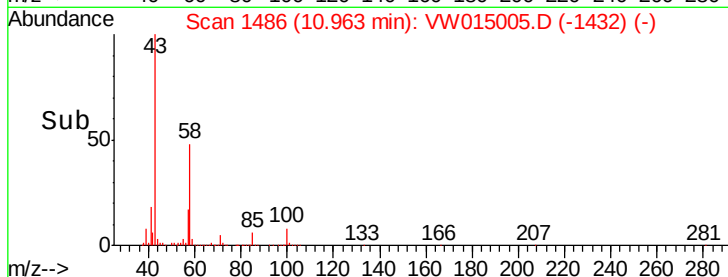
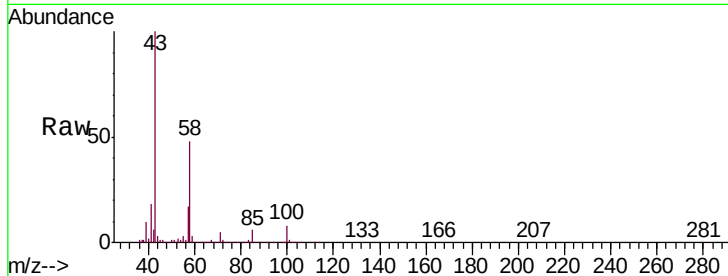




#49
2-Hexanone
Concen: 55.587 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW015005.D
Acq: 19 Feb 2020 13:14

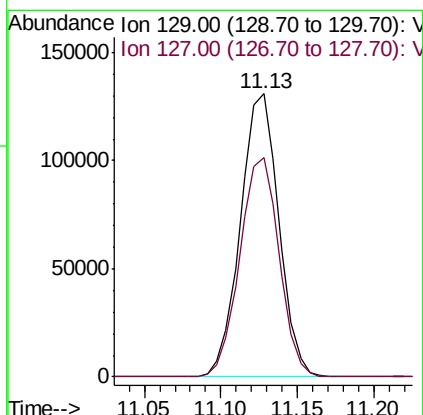
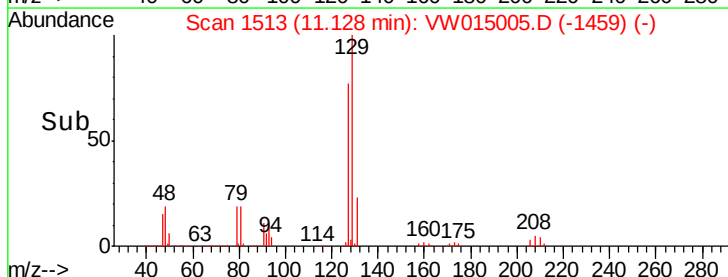
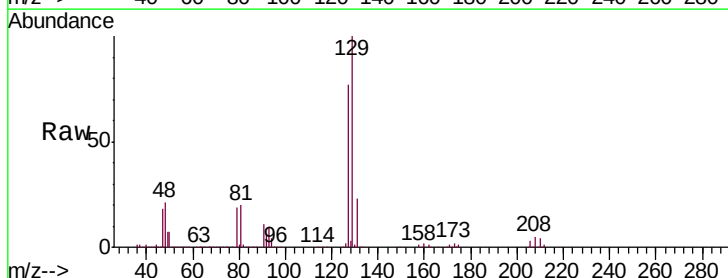
Instrument :
MSVOA_W
ClientSampleId :
VSTD02523

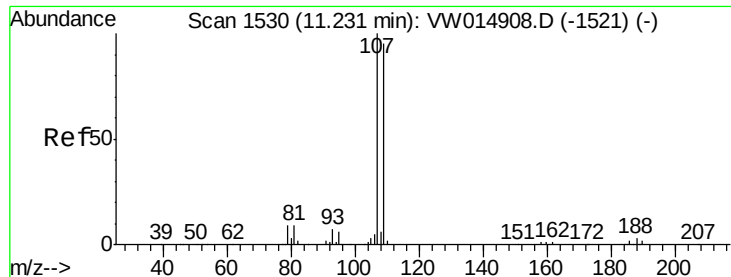
Tgt Ion:	43	Resp:	353755
Ion	Ratio	Lower	Upper
43	100		
58	48.1	42.2	63.2
57	16.3	14.5	21.7
100	8.6	8.6	12.8



#50
Dibromochloromethane
Concen: 23.454 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW015005.D
Acq: 19 Feb 2020 13:14

Tgt Ion:	129	Resp:	229277
Ion	Ratio	Lower	Upper
129	100		
127	77.3	54.1	100.5





#51

1,2-Dibromoethane

Concen: 22.820 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW015005.D

Acq: 19 Feb 2020 13:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD02523

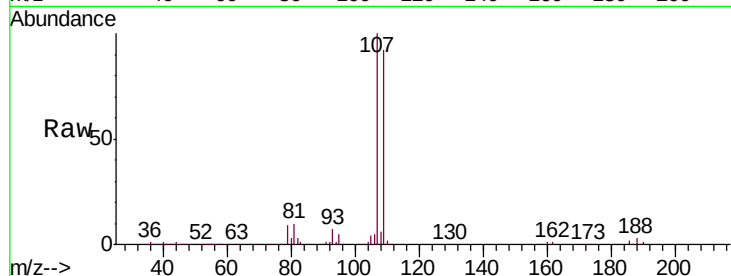
Tgt Ion:107 Resp: 193125

Ion Ratio Lower Upper

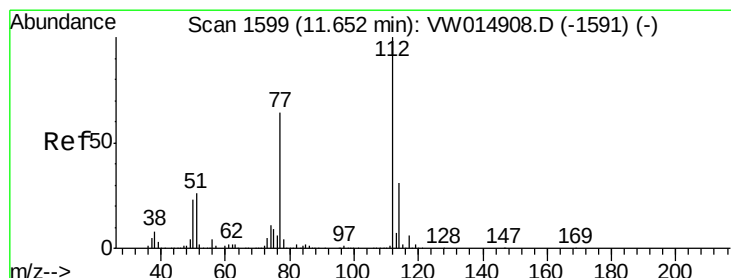
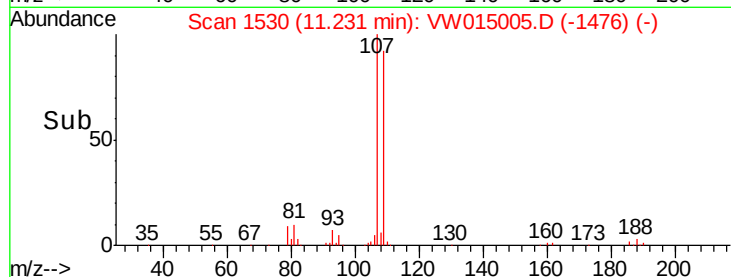
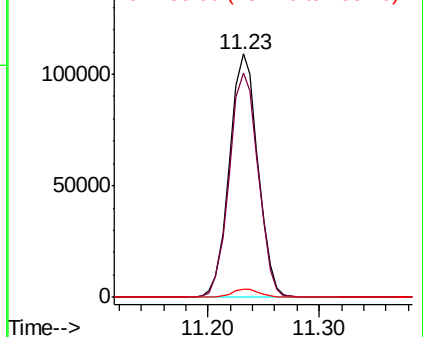
107 100

109 92.4 65.0 120.6

188 3.1 2.4 3.6



Abundance Ion 107.00 (106.70 to 107.70): V
150000
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 24.266 ug/L

RT: 11.65 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VW015005.D

Acq: 19 Feb 2020 13:14

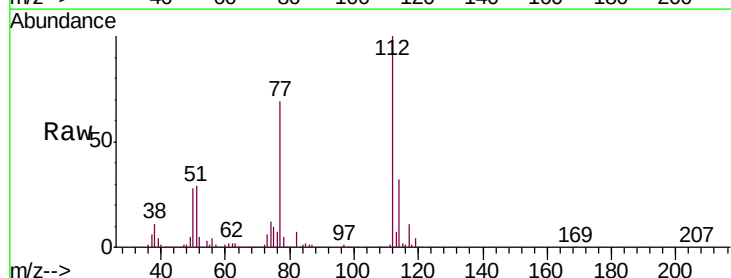
Tgt Ion:112 Resp: 777664

Ion Ratio Lower Upper

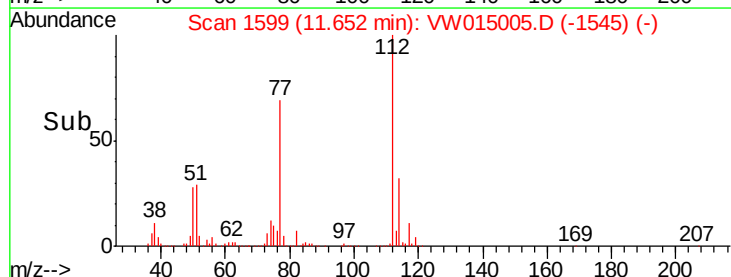
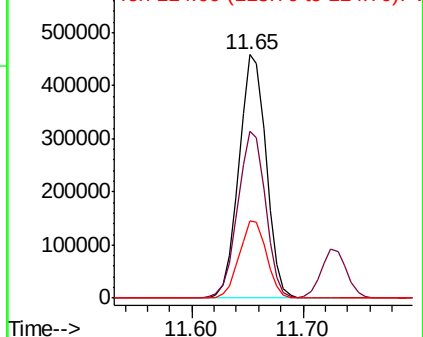
112 100

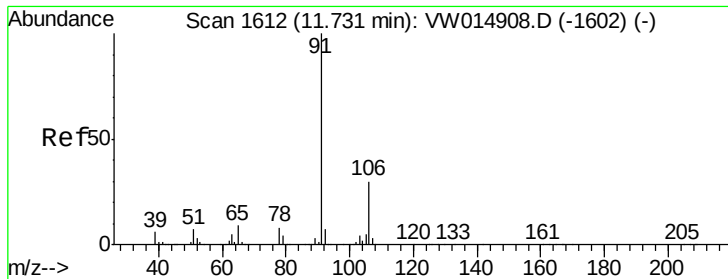
77 68.8 49.9 74.9

114 31.9 22.7 42.1



Abundance Ion 112.00 (111.70 to 112.70): V
600000
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V

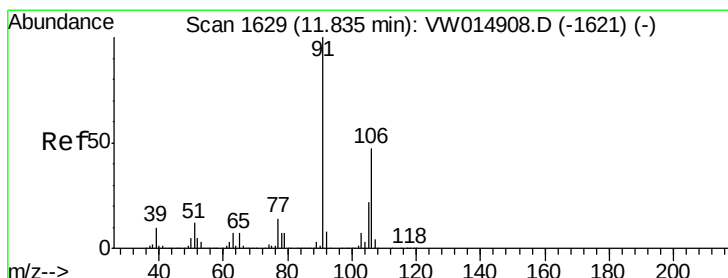
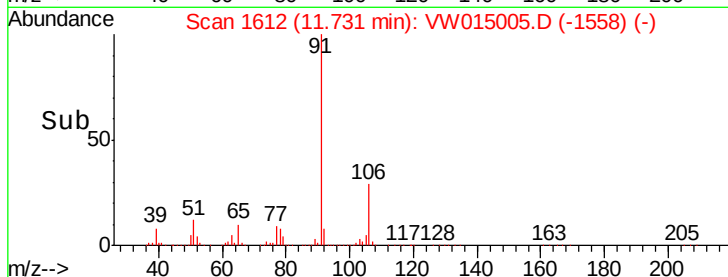
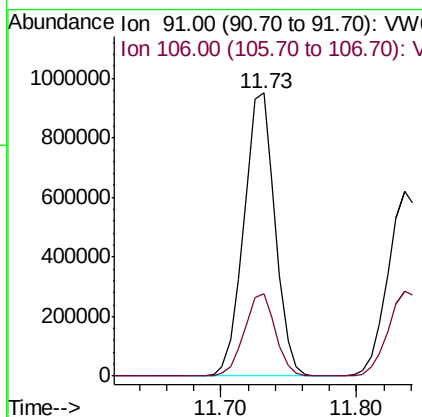
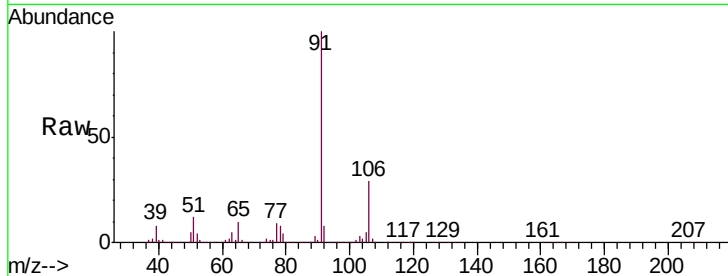




#53
Ethylbenzene
Concen: 26.558 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015005.D
Acq: 19 Feb 2020 13:14

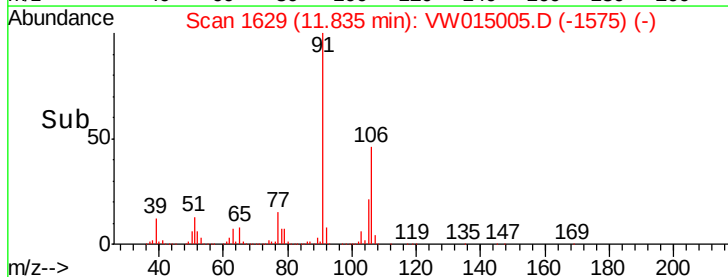
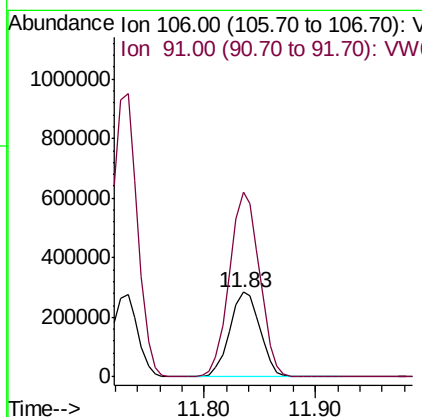
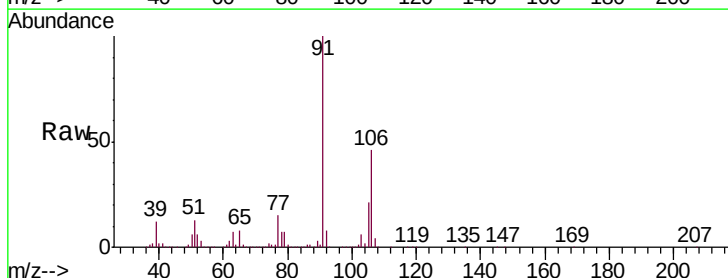
Instrument :
MSVOA_W
ClientSampleId :
VSTD02523

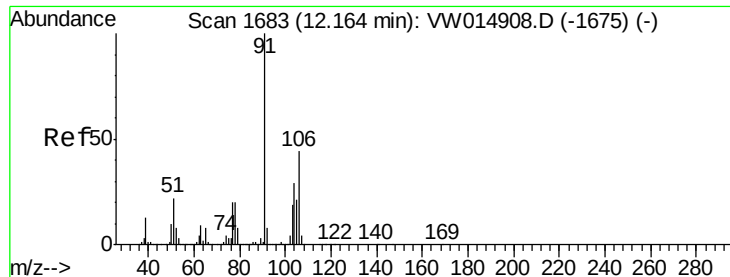
Tgt Ion: 91 Resp: 1522906
Ion Ratio Lower Upper
91 100
106 29.1 21.5 39.9



#54
m,p-Xylene
Concen: 25.482 ug/L
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW015005.D
Acq: 19 Feb 2020 13:14

Tgt Ion: 106 Resp: 533730
Ion Ratio Lower Upper
106 100
91 218.6 143.4 266.4

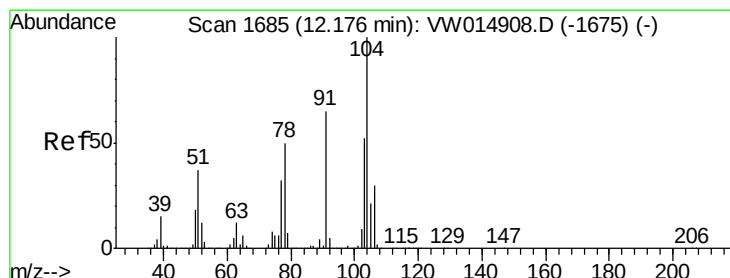
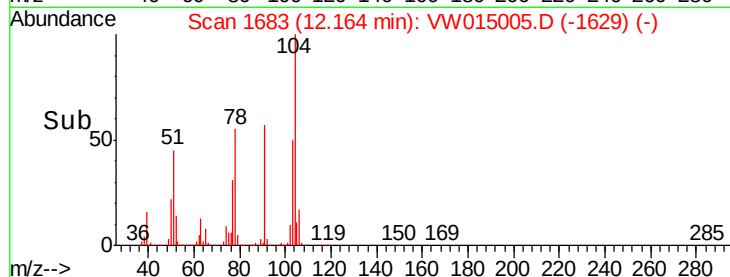
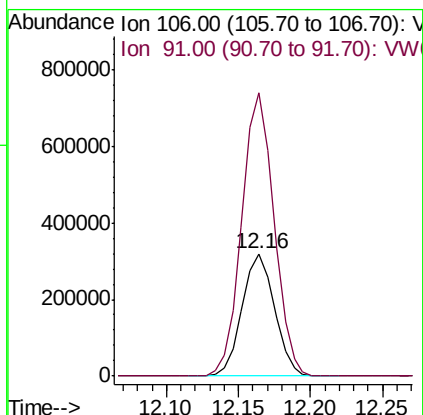
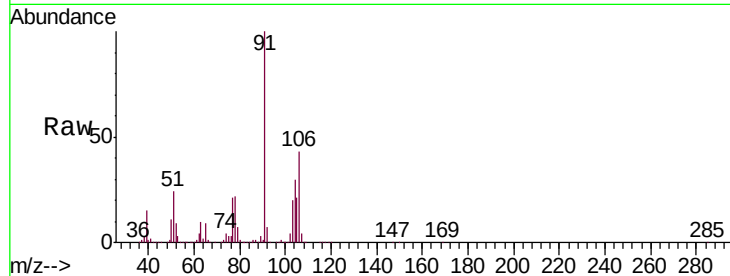




#55
o-xylene
Concen: 25.072 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW015005.D
Acq: 19 Feb 2020 13:14

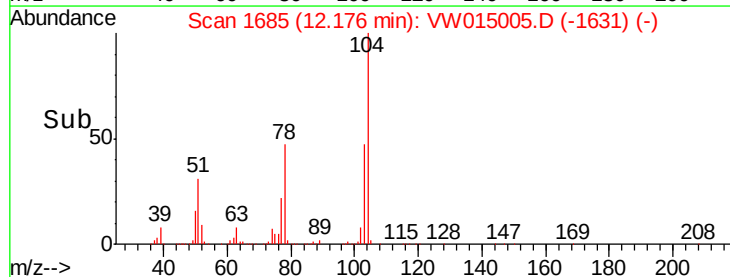
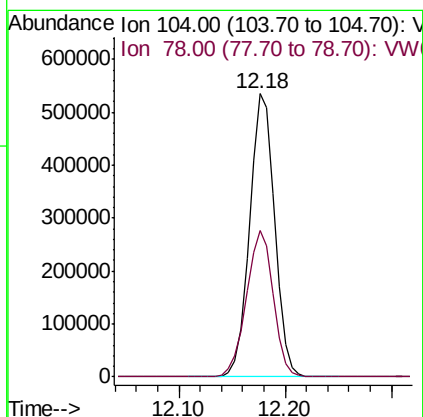
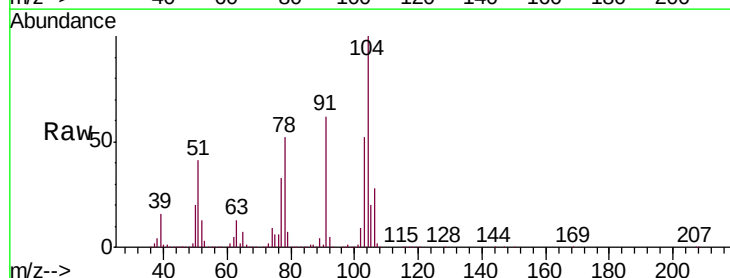
Instrument :
MSVOA_W
ClientSampleId :
VSTD02523

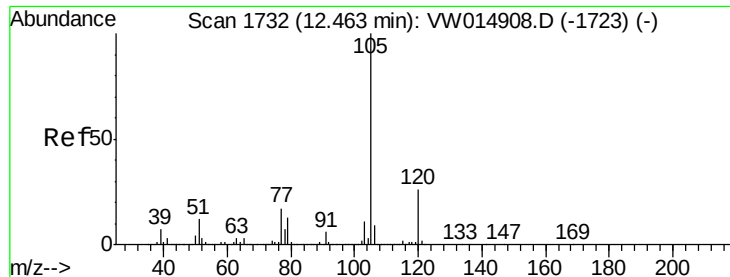
Tgt Ion:106 Resp: 499797
Ion Ratio Lower Upper
106 100
91 231.2 155.0 287.9



#56
Styrene
Concen: 26.224 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW015005.D
Acq: 19 Feb 2020 13:14

Tgt Ion:104 Resp: 883507
Ion Ratio Lower Upper
104 100
78 51.7 33.8 62.8





#57

Isopropylbenzene

Concen: 26.493 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015005.D

Acq: 19 Feb 2020 13:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD02523

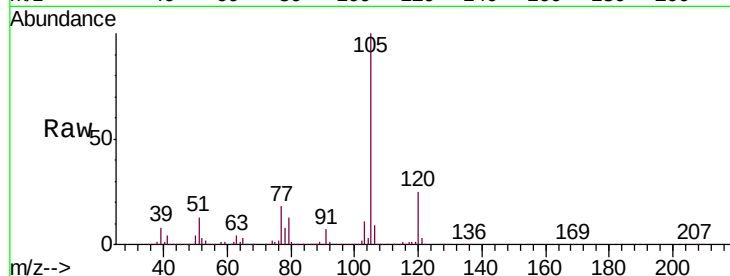
Tgt Ion:105 Resp: 1418364

Ion Ratio Lower Upper

105 100

120 24.8 20.4 30.6

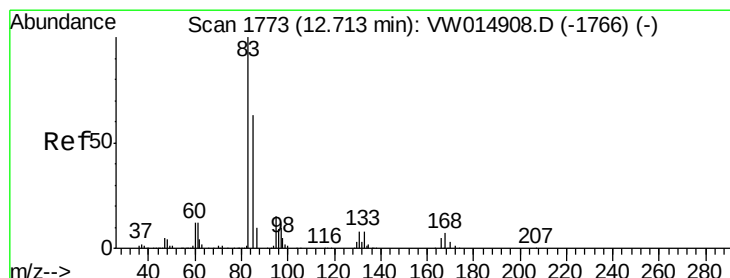
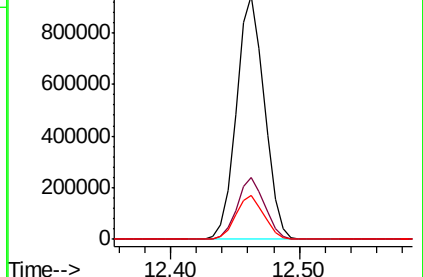
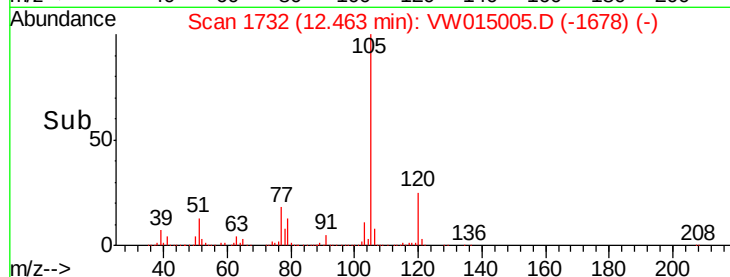
77 18.0 13.1 19.7



Abundance Ion 105.00 (104.70 to 105.70): VW

Ion 120.00 (119.70 to 120.70): VW

Ion 77.00 (76.70 to 77.70): VW



#58

1,1,2,2-Tetrachloroethane

Concen: 24.614 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015005.D

Acq: 19 Feb 2020 13:14

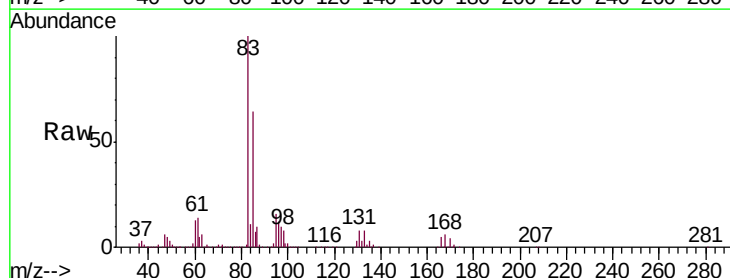
Tgt Ion: 83 Resp: 279447

Ion Ratio Lower Upper

83 100

85 64.1 45.9 85.3

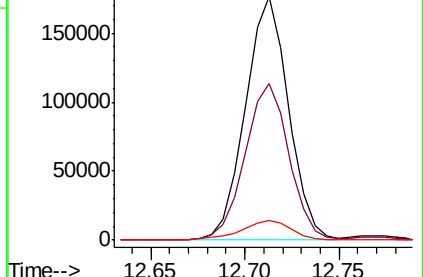
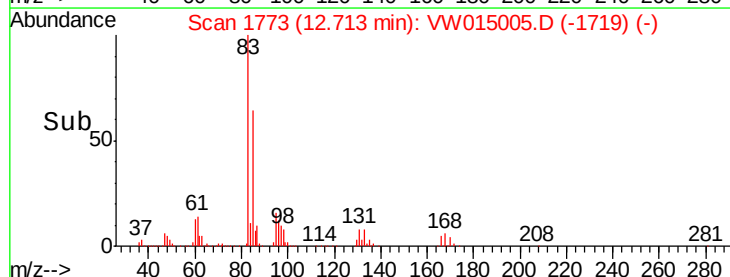
131 8.3 7.3 10.9

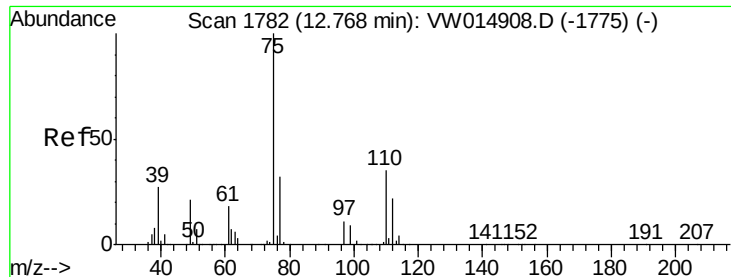


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): VW





#59

1,2,3-Trichloropropane

Concen: 25.158 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW015005.D

Acq: 19 Feb 2020 13:14

Instrument :

MSVOA_W

ClientSampleId :

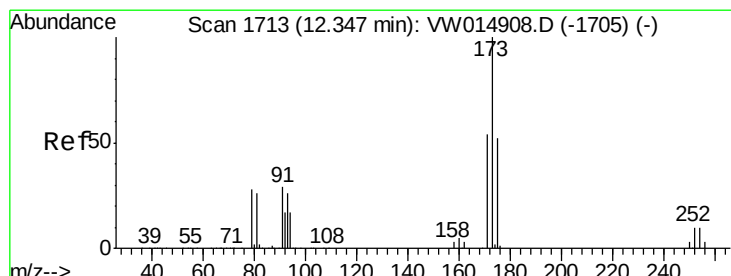
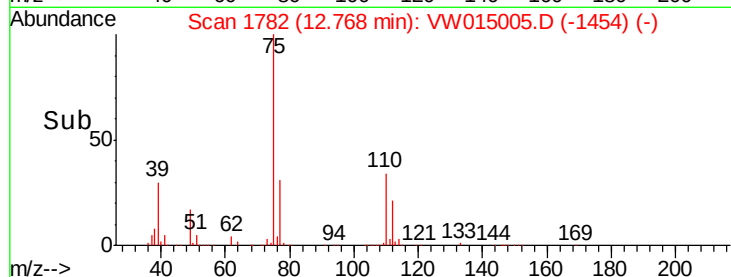
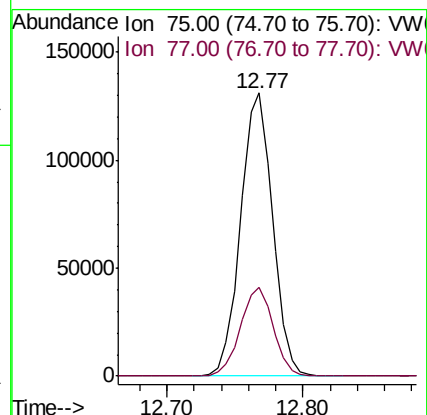
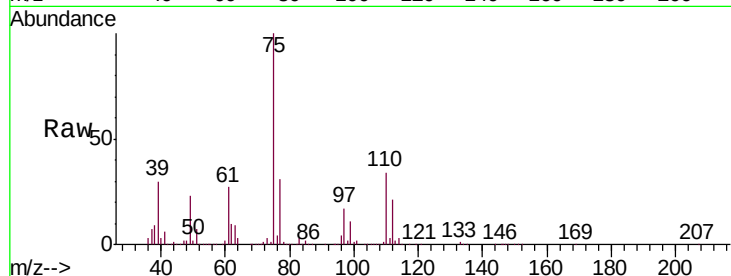
VSTD02523

Tgt Ion: 75 Resp: 214885

Ion Ratio Lower Upper

75 100

77 32.3 25.9 38.9



#62

Bromoform

Concen: 21.930 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW015005.D

Acq: 19 Feb 2020 13:14

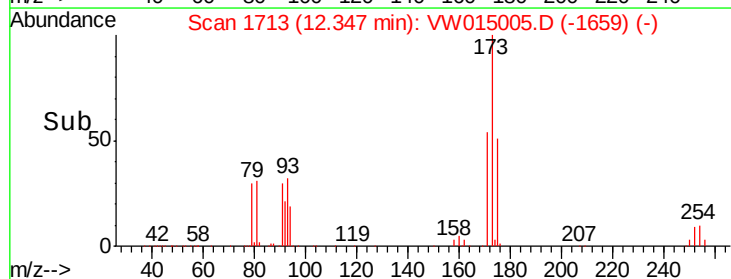
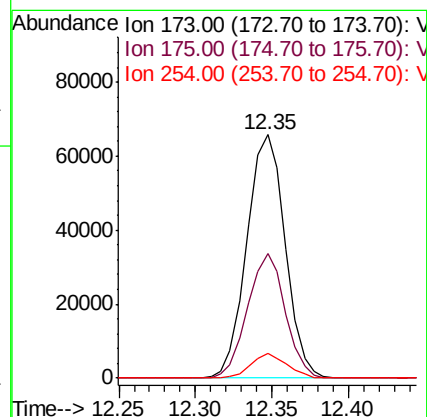
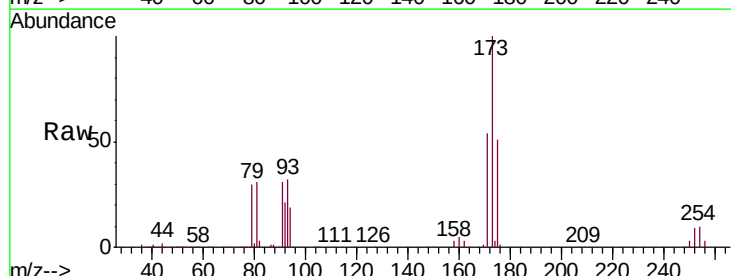
Tgt Ion: 173 Resp: 114665

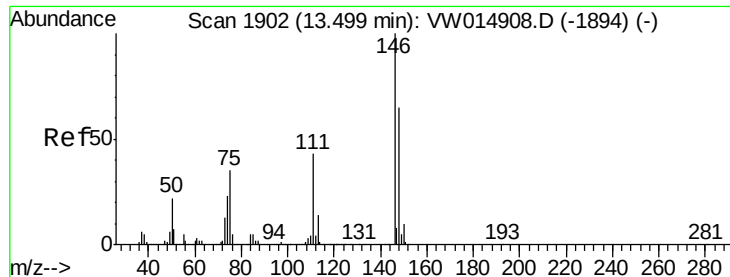
Ion Ratio Lower Upper

173 100

175 50.4 38.9 58.3

254 9.6 7.8 11.8

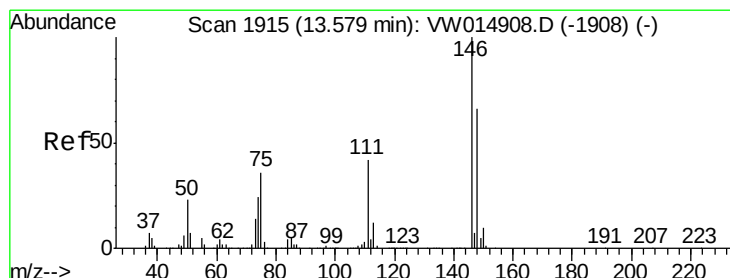
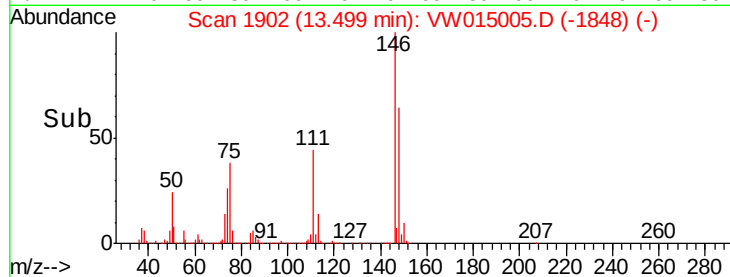
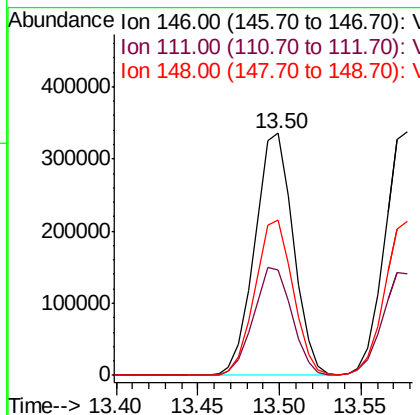
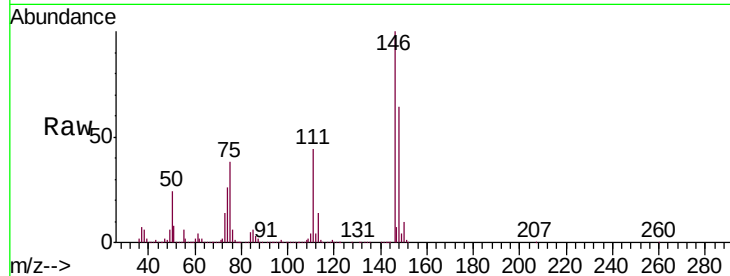




#63
 1,3-Dichlorobenzene
 Concen: 23.734 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015005.D
 Acq: 19 Feb 2020 13:14

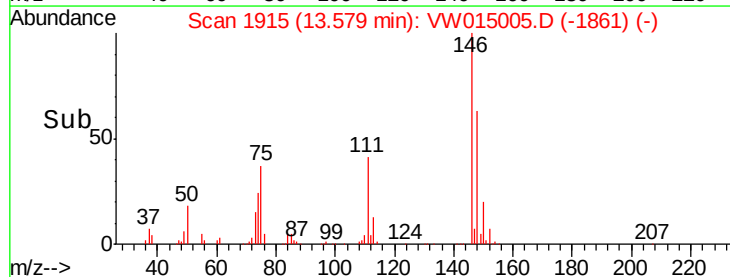
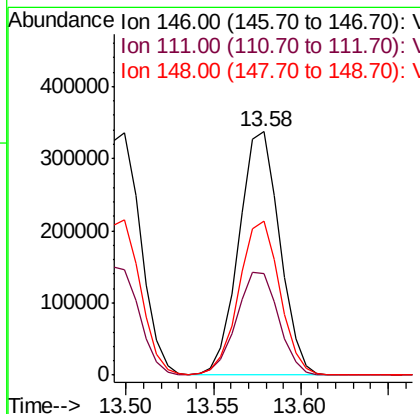
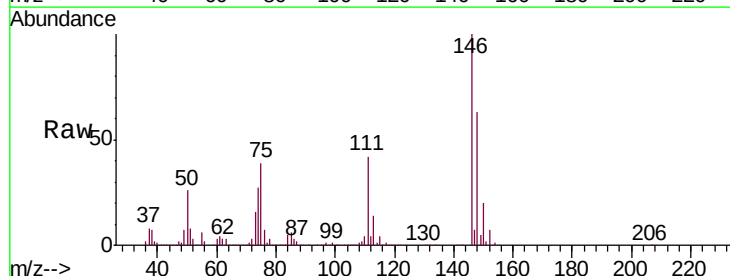
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02523

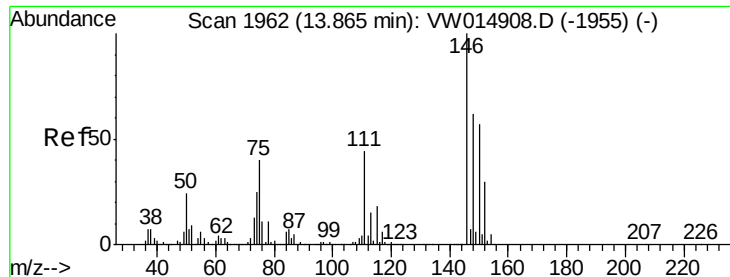
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.8	28.6	53.0
148	64.3	43.3	80.5



#64
 1,4-Dichlorobenzene
 Concen: 23.509 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015005.D
 Acq: 19 Feb 2020 13:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	27.9	51.7
148	63.2	44.0	81.8





#65

1,2-Dichlorobenzene

Concen: 23.716 ug/L

RT: 13.87 min Scan# 1962

Delta R.T. -0.01 min

Lab File: VW015005.D

Acq: 19 Feb 2020 13:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD02523

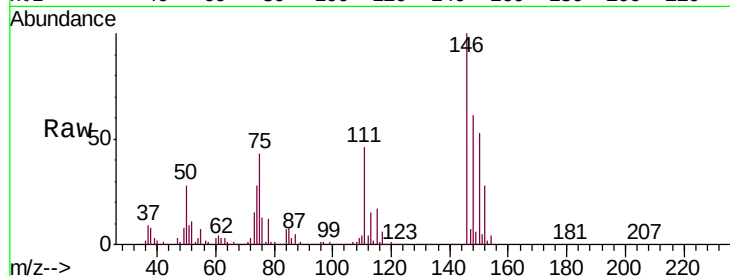
Tgt Ion:146 Resp: 502604

Ion Ratio Lower Upper

146 100

111 46.4 35.0 52.6

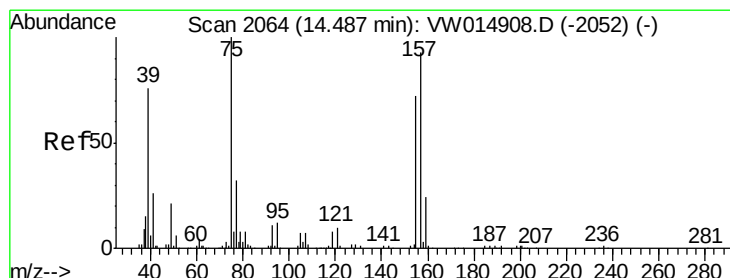
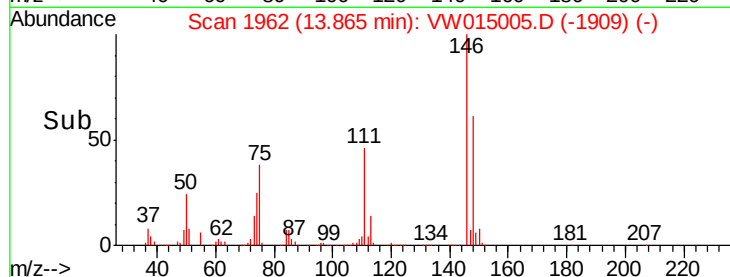
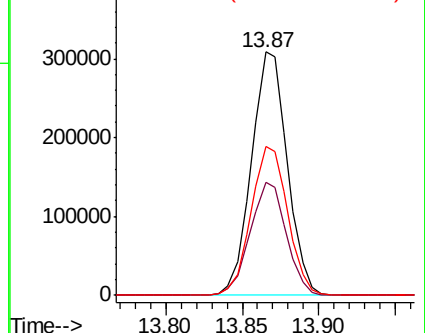
148 61.3 51.1 76.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 25.790 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW015005.D

Acq: 19 Feb 2020 13:14

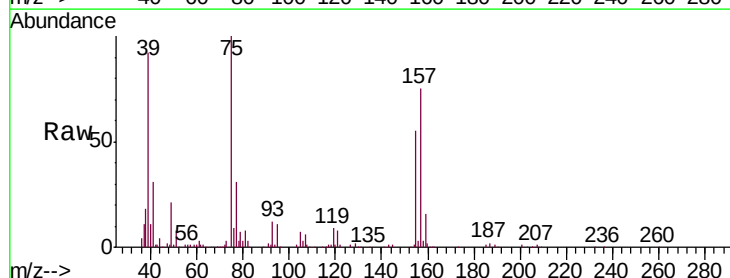
Tgt Ion: 75 Resp: 46602

Ion Ratio Lower Upper

75 100

157 74.7 74.2 111.4

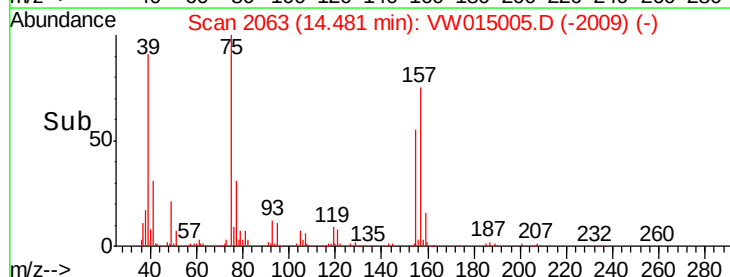
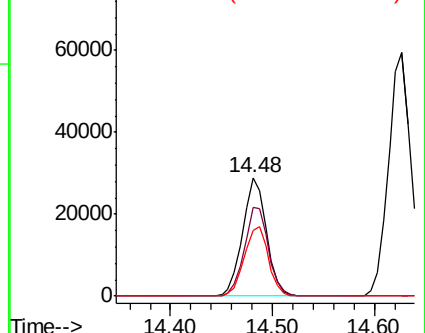
155 54.9 56.1 84.1#

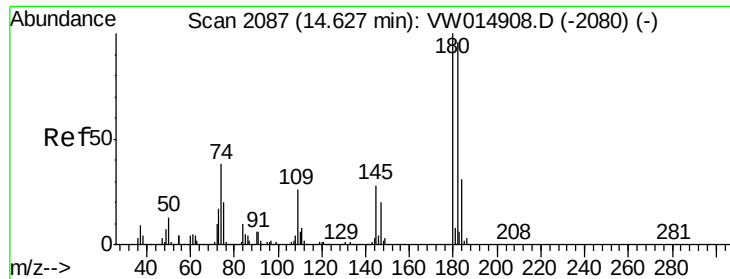


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

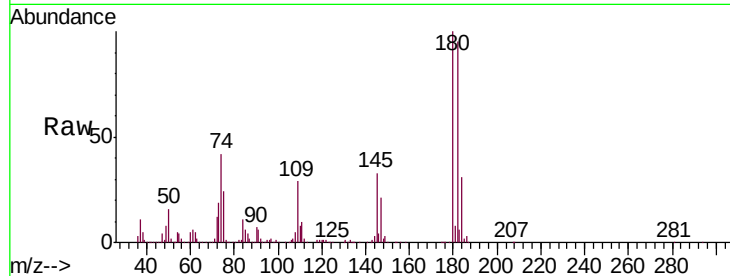




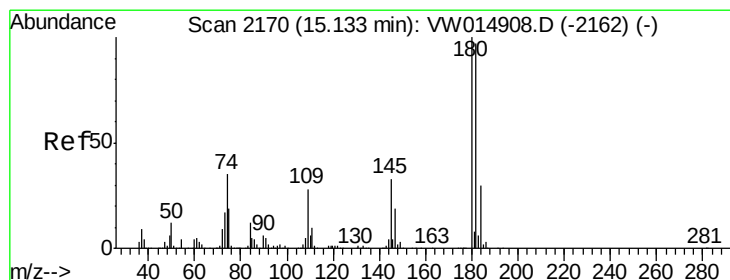
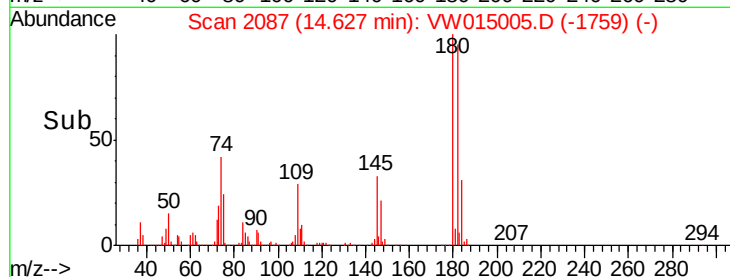
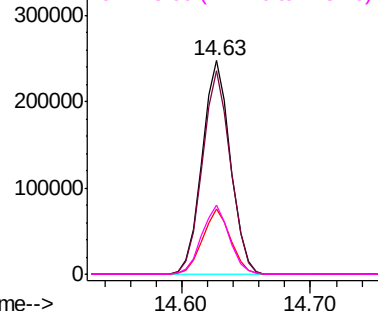
#67
 1,3,5-Trichlorobenzene
 Concen: 22.876 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW015005.D
 Acq: 19 Feb 2020 13:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02523

Tgt Ion:	180	Resp:	379605
Ion	Ratio	Lower	Upper
180	100		
182	95.1	75.5	113.3
184	30.2	24.6	36.8
145	31.9	23.7	35.5

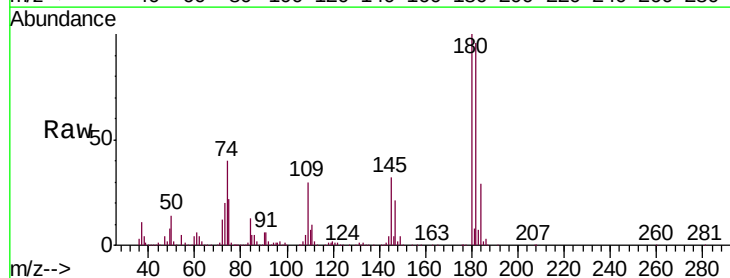


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

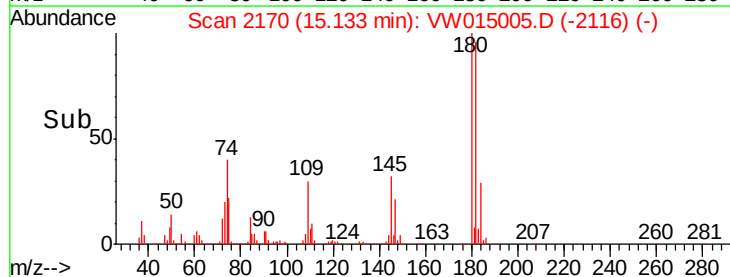
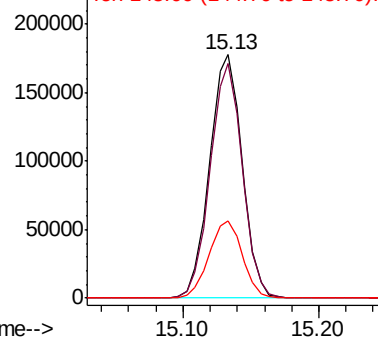


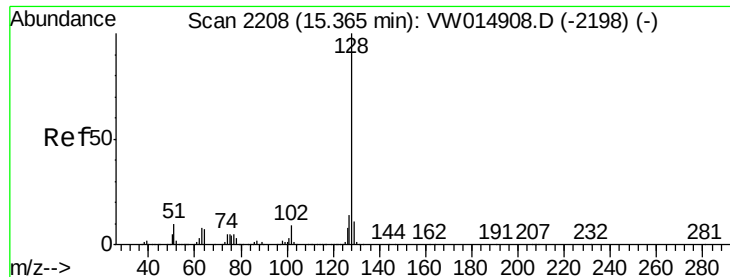
#68
 1,2,4-trichlorobenzene
 Concen: 22.578 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015005.D
 Acq: 19 Feb 2020 13:14

Tgt Ion:	180	Resp:	296016
Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.4	114.6
145	32.5	24.6	37.0



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: 22.983 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW015005.D

Acq: 19 Feb 2020 13:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD02523

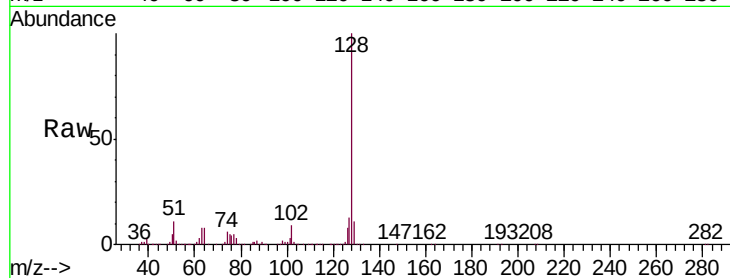
Tgt Ion:128 Resp: 592712

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

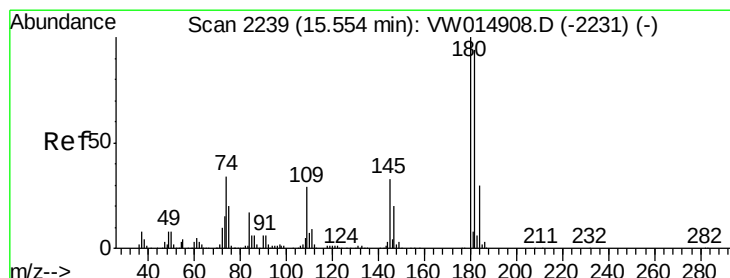
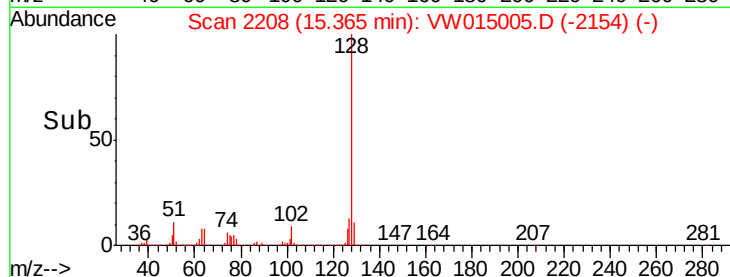
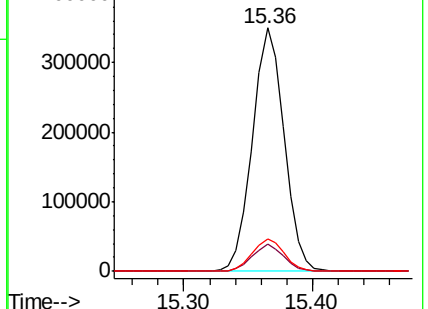
127 13.4 10.5 15.7



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: 22.518 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW015005.D

Acq: 19 Feb 2020 13:14

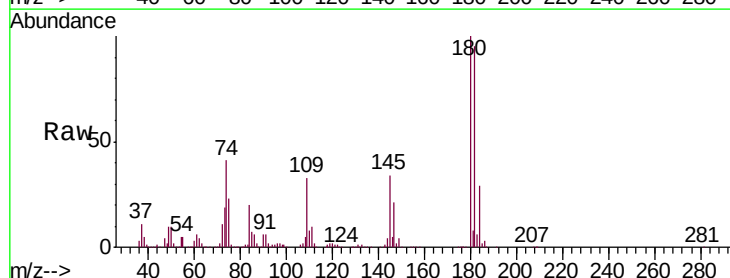
Tgt Ion:180 Resp: 272605

Ion Ratio Lower Upper

180 100

182 94.6 75.3 112.9

145 34.3 26.0 39.0



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

