

Data File : VW014987.D
Acq On : 14 Feb 2020 09:34
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD025309

Quant Time: Feb 15 01:35:22 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Feb 14 16:20:22 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	743002	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	672523	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.55	152	298217	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	372409	24.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.56%
7) Chloroethane-d5	2.89	69	283774	24.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.56%
11) 1,1-Dichloroethene-d2	4.02	63	685622	25.54	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	102.16%
21) 2-Butanone-d5	7.07	46	180378	43.25	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.50%
24) Chloroform-d	7.64	84	584148	24.48	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.92%
26) 1,2-Dichloroethane-d4	8.30	65	332156	23.72	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.88%
32) Benzene-d6	8.27	84	1179672	26.03	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.12%
36) 1,2-Dichloropropane-d6	9.27	67	394736	25.33	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.32%
41) Toluene-d8	10.32	98	1023755	26.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	107.12%
43) trans-1,3-Dichloropropene-	10.57	79	147918	24.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.92%
47) 2-Hexanone-d5	10.92	63	126569	45.66	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.32%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	265291	22.81	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.24%
66) 1,2-Dichlorobenzene-d4	13.85	152	275345	24.53	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.12%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	159203	21.569	ug/L	92
3) Chloromethane	2.21	50	331989	23.916	ug/L	99
5) Vinyl chloride	2.37	62	451965	25.294	ug/L	98
6) Bromomethane	2.78	94	203668	25.128	ug/L	99
8) Chloroethane	2.93	64	247730	25.914	ug/L	100
9) Trichlorofluoromethane	3.26	101	210883	29.884	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	4.07	101	300201	26.000	ug/L	100
12) 1,1-Dichloroethene	4.04	96	285348	25.770	ug/L	95
13) Acetone	4.12	43	227189	52.186	ug/L	99
14) Carbon disulfide	4.39	76	1036896	25.903	ug/L	100
15) Methyl Acetate	4.67	43	177351	23.478	ug/L	100
16) Methylene chloride	4.92	84	327931	23.886	ug/L	98
17) trans-1,2-Dichloroethene	5.42	96	300050	26.855	ug/L	99
18) Methyl tert-butyl Ether	5.42	73	365846	26.529	ug/L	99
19) 1,1-Dichloroethane	6.21	63	660204	26.454	ug/L	98
22) 2-Butanone	7.17	43	256499	49.011	ug/L	97
23) Bromochloromethane	7.51	128	118069	25.278	ug/L	91

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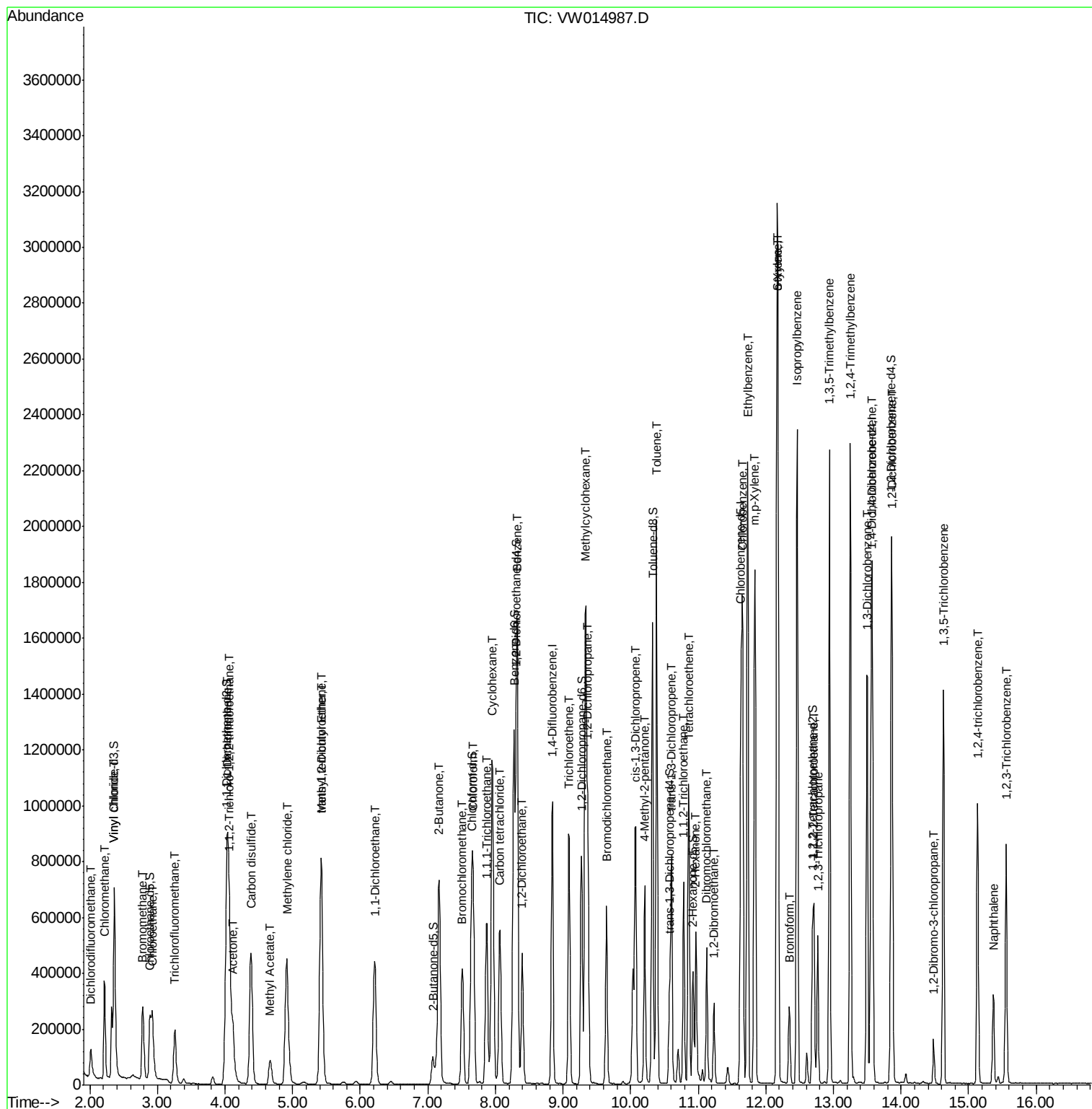
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	7.67	83	580966	26.126	ug/L	99
27) 1,2-Dichloroethane	8.40	62	419771	25.687	ug/L	99
29) Cyclohexane	7.96	56	660443	30.118	ug/L	100
30) 1,1,1-Trichloroethane	7.87	97	451842	27.621	ug/L	99
31) Carbon tetrachloride	8.07	117	404692	27.445	ug/L	100
33) Benzene	8.32	78	1372172	27.790	ug/L	100
34) Trichloroethene	9.09	95	323591	27.363	ug/L	98
35) Methylcyclohexane	9.34	83	611484	29.980	ug/L	99
37) 1,2-Dichloropropane	9.37	63	375290	27.213	ug/L	99
38) Bromodichloromethane	9.64	83	418981	26.980	ug/L	100
39) cis-1,3-Dichloropropene	10.07	75	515876	27.960	ug/L	99
40) 4-Methyl-2-pentanone	10.21	43	492696	50.182	ug/L	99
42) Toluene	10.38	91	1370430	28.724	ug/L	97
44) trans-1,3-Dichloropropene	10.60	75	417413	27.271	ug/L	98
45) 1,1,2-Trichloroethane	10.79	97	211813	25.319	ug/L	97
46) Tetrachloroethene	10.86	164	212864	27.719	ug/L	98
48) 2-Hexanone	10.96	43	379933	53.110	ug/L	99
49) Dibromochloromethane	11.13	129	227596	26.111	ug/L	95
50) 1,2-Dibromoethane	11.23	107	192860	25.572	ug/L	98
51) Chlorobenzene	11.66	112	756858	26.893	ug/L	99
52) Ethylbenzene	11.73	91	1512591	29.106	ug/L	100
53) m,p-Xylene	11.84	106	527869	28.948	ug/L	100
54) o-Xylene	12.16	106	495507	28.938	ug/L	97
55) Styrene	12.18	104	859725	29.125	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.71	83	277169	24.761	ug/L	98
59) Bromoform	12.35	173	114230	25.053	ug/L	99
60) Isopropylbenzene	12.46	105	1373329	29.417	ug/L	100
61) 1,2,3-Trichloropropane	12.77	75	213886	24.473	ug/L	100
62) 1,3,5-Trimethylbenzene	12.94	105	1134781	30.487	ug/L	100
63) 1,2,4-Trimethylbenzene	13.25	105	1114928	30.617	ug/L	99
64) 1,3-Dichlorobenzene	13.50	146	534724	27.785	ug/L	99
65) 1,4-Dichlorobenzene	13.58	146	533159	26.876	ug/L	98
67) 1,2-Dichlorobenzene	13.87	146	475213	26.687	ug/L	98
68) 1,2-Dibromo-3-chloropropan	14.48	75	43277	23.679	ug/L	96
69) 1,3,5-Trichlorobenzene	14.63	180	367016	28.459	ug/L	99
70) 1,2,4-trichlorobenzene	15.13	180	274989	28.445	ug/L	99
71) Naphthalene	15.36	128	253744	25.558	ug/L	99
72) 1,2,3-Trichlorobenzene	15.55	180	250504	27.963	ug/L	99

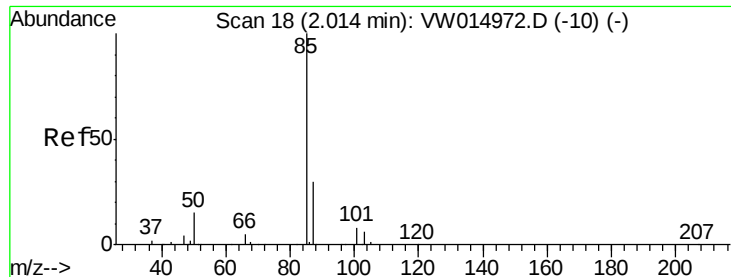
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 21.569 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW014987.D

Acq: 14 Feb 2020 09:34

Instrument :

MSVOA_W

ClientSampleId :

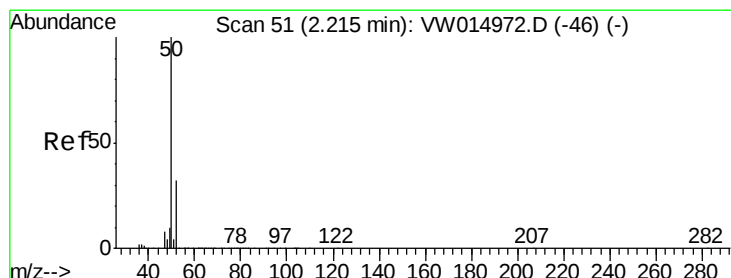
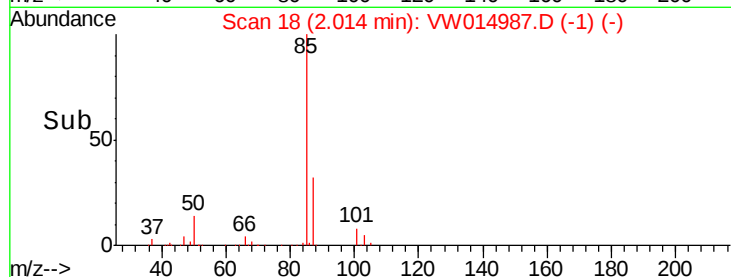
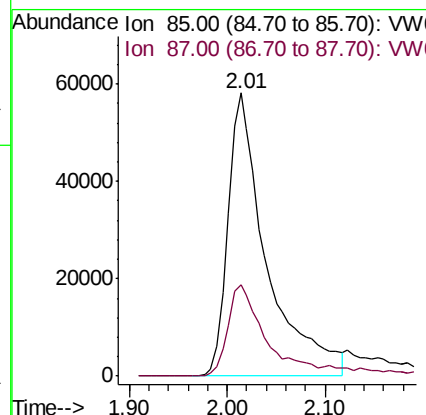
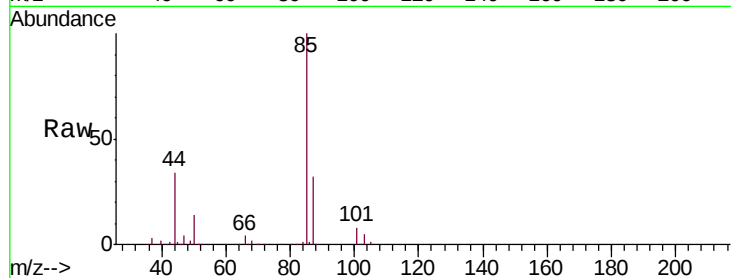
VSTD025309

Tgt Ion: 85 Resp: 159203

Ion Ratio Lower Upper

85 100

87 31.0 21.5 32.3



#3

Chloromethane

Concen: 23.916 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW014987.D

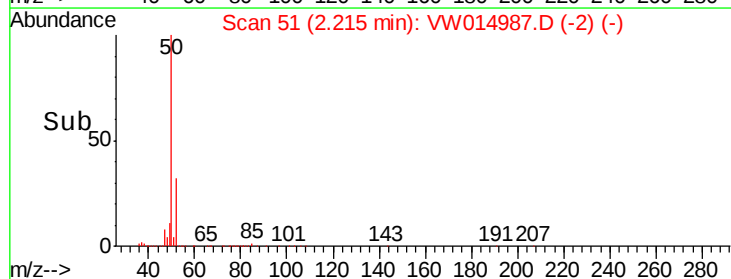
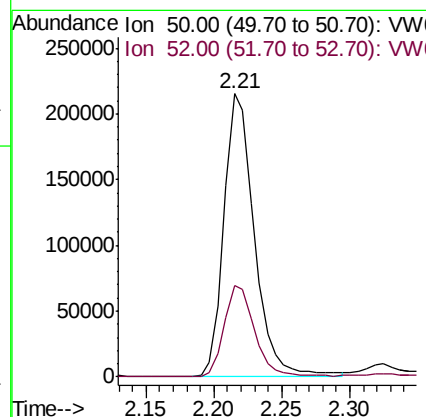
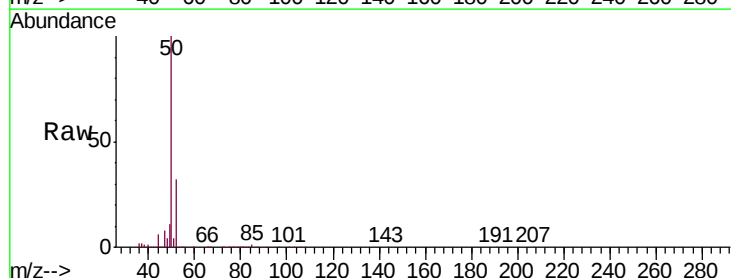
Acq: 14 Feb 2020 09:34

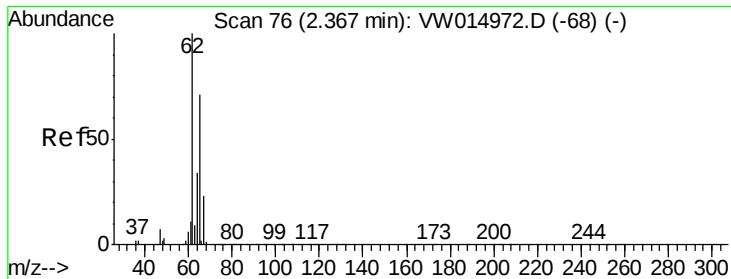
Tgt Ion: 50 Resp: 331989

Ion Ratio Lower Upper

50 100

52 32.2 22.3 41.3





#5

Vinyl chloride

Concen: 25.294 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW014987.D

Acq: 14 Feb 2020 09:34

Instrument :

MSVOA_W

ClientSampleId :

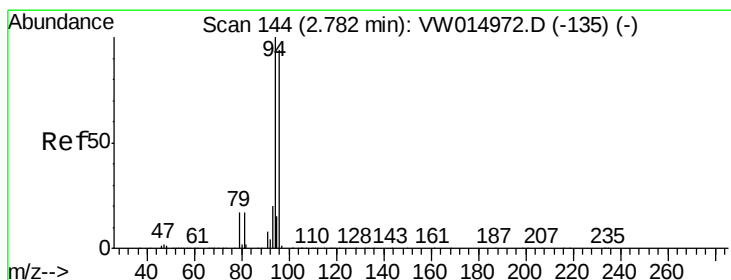
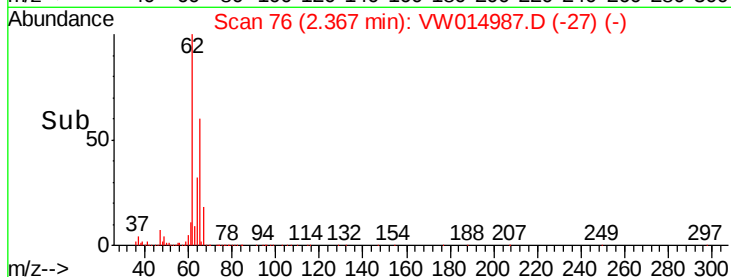
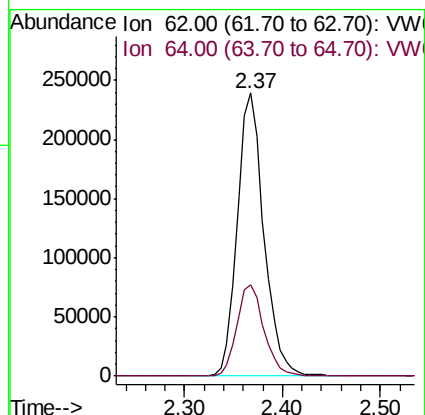
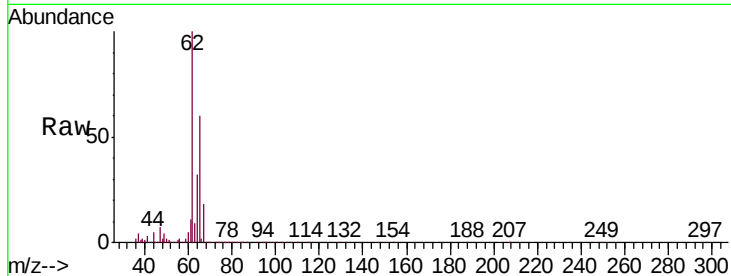
VSTD025309

Tgt Ion: 62 Resp: 451965

Ion Ratio Lower Upper

62 100

64 32.5 23.6 43.8



#6

Bromomethane

Concen: 25.128 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW014987.D

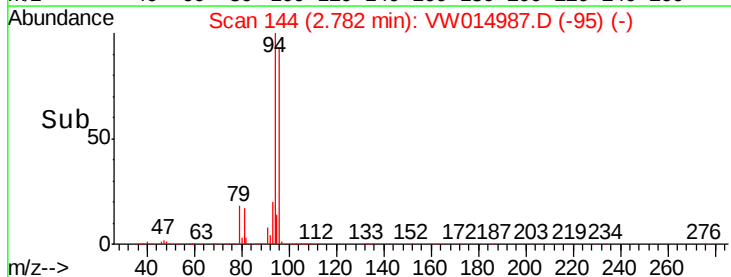
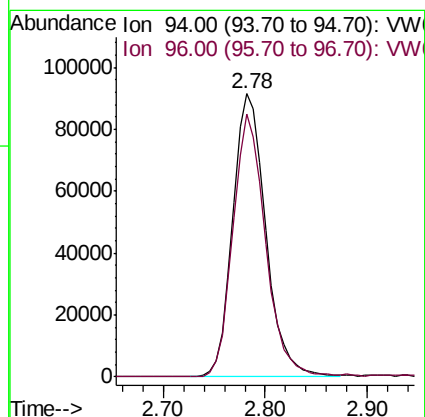
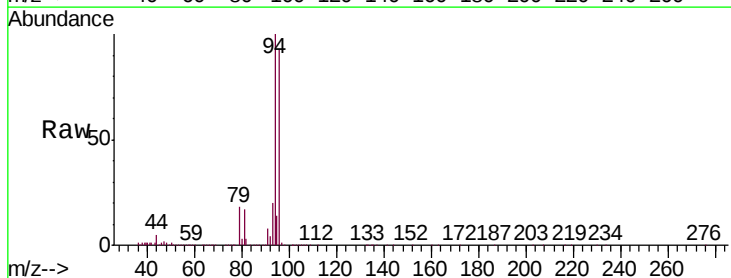
Acq: 14 Feb 2020 09:34

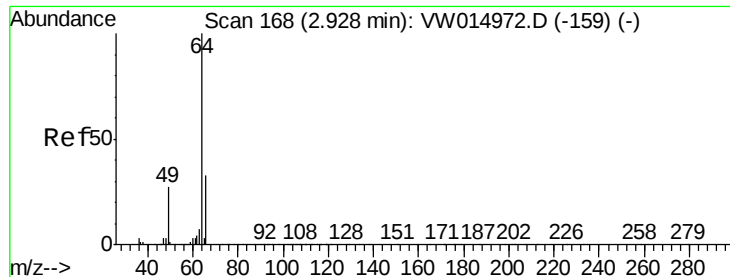
Tgt Ion: 94 Resp: 203668

Ion Ratio Lower Upper

94 100

96 93.0 65.8 122.2





#8

Chloroethane

Concen: 25.914 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW014987.D

Acq: 14 Feb 2020 09:34

Instrument :

MSVOA_W

ClientSampleId :

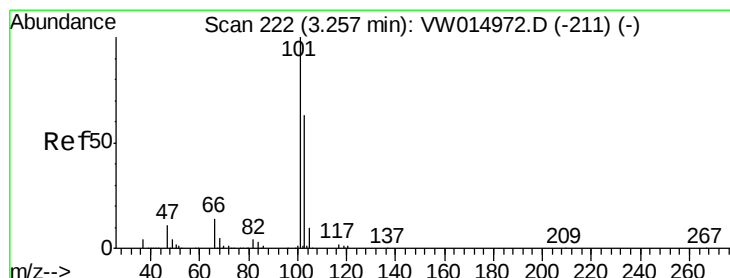
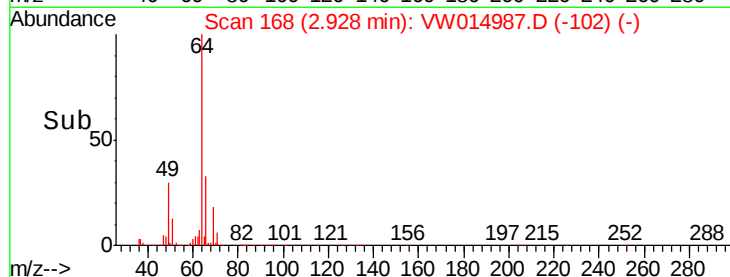
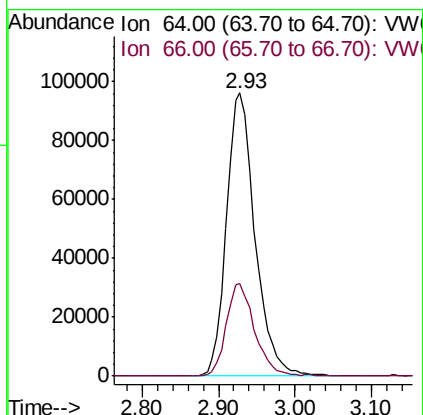
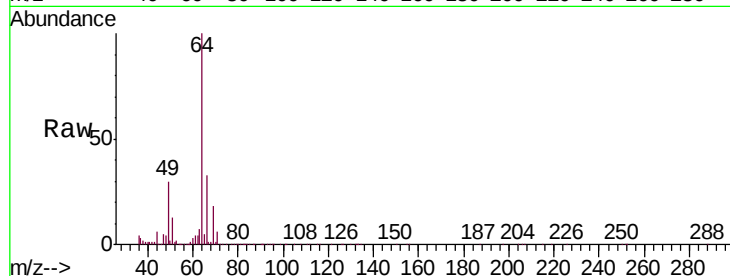
VSTD025309

Tgt Ion: 64 Resp: 247730

Ion Ratio Lower Upper

64 100

66 32.9 23.1 42.9



#9

Trichlorofluoromethane

Concen: 29.884 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW014987.D

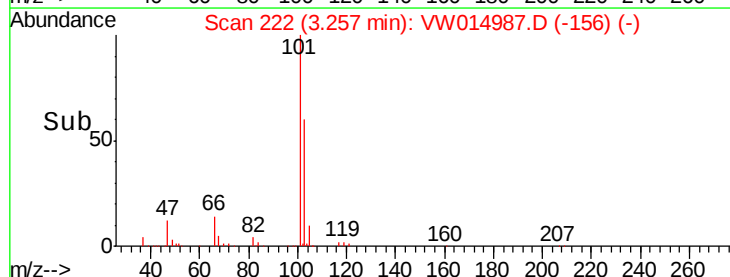
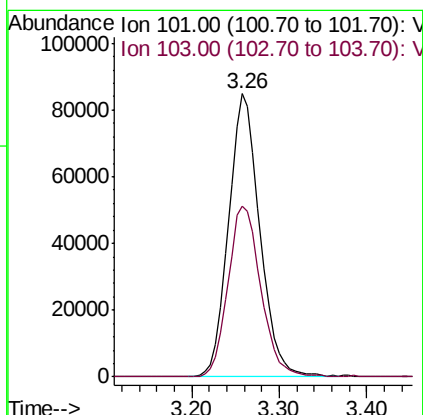
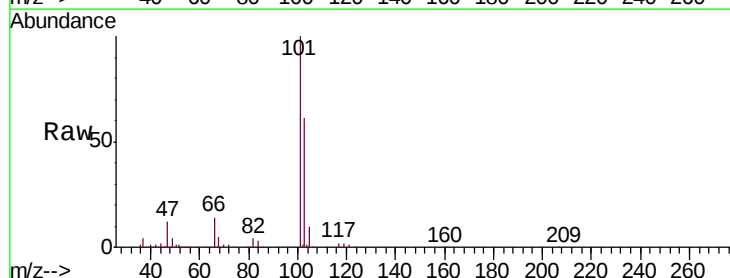
Acq: 14 Feb 2020 09:34

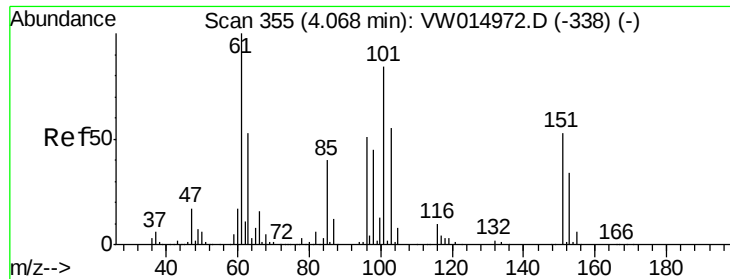
Tgt Ion: 101 Resp: 210883

Ion Ratio Lower Upper

101 100

103 63.2 51.5 77.3





#10

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

Concen: 26.000 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

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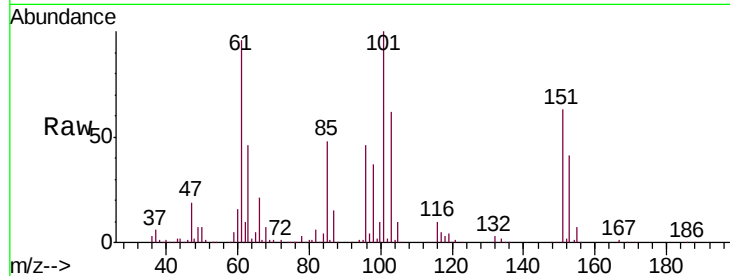
Tgt Ion: 101 Resp: 300201

Ion Ratio Lower Upper

101 100

85 46.0 36.5 54.7

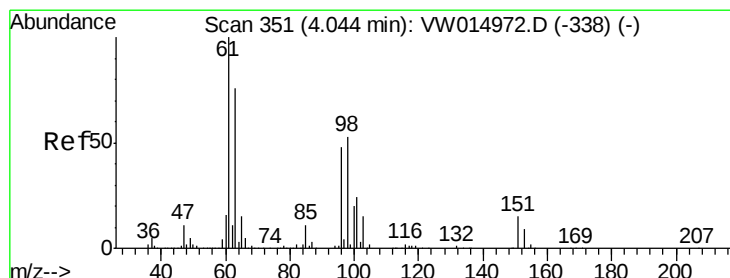
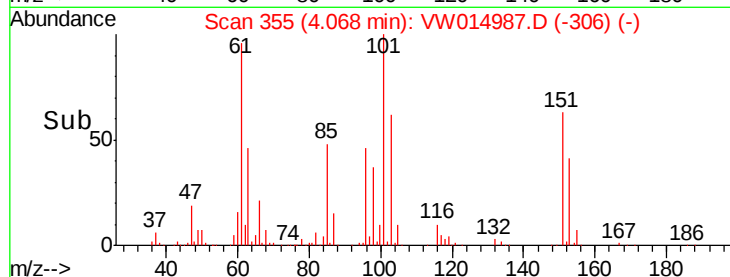
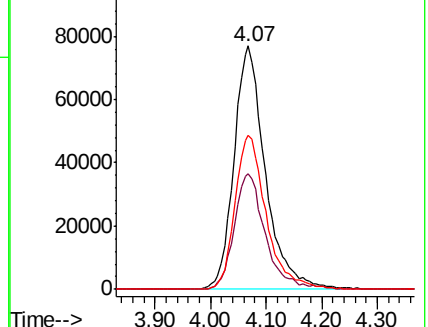
151 62.9 50.2 75.4



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: 25.770 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

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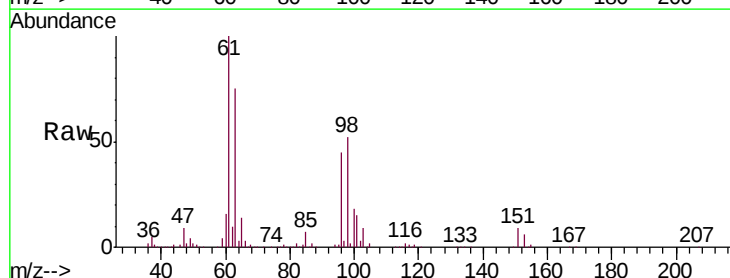
Tgt Ion: 96 Resp: 285348

Ion Ratio Lower Upper

96 100

61 219.9 147.0 273.0

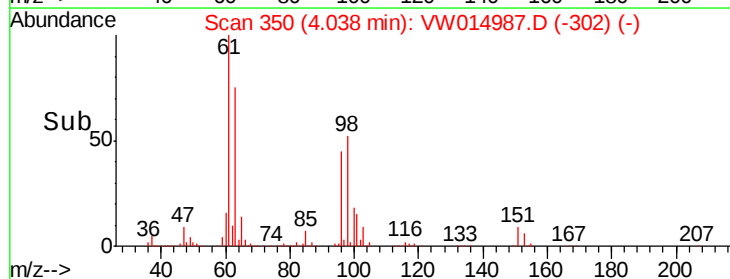
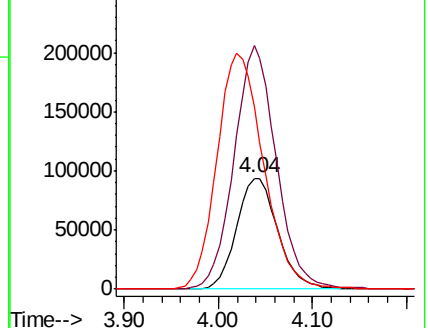
63 164.9 113.4 210.6

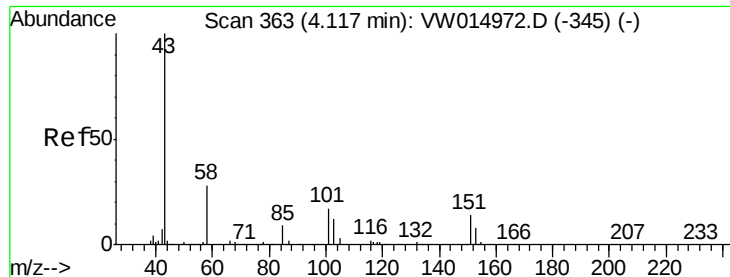


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 52.186 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

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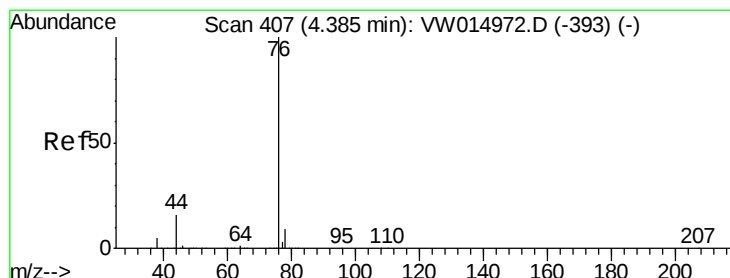
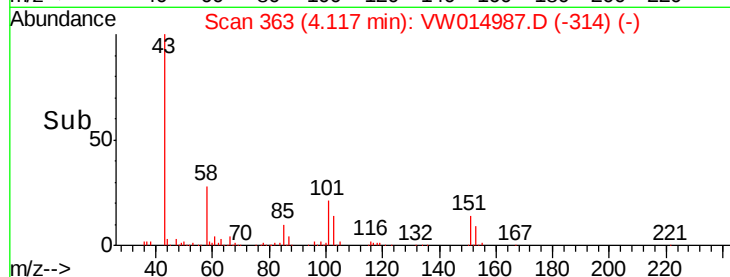
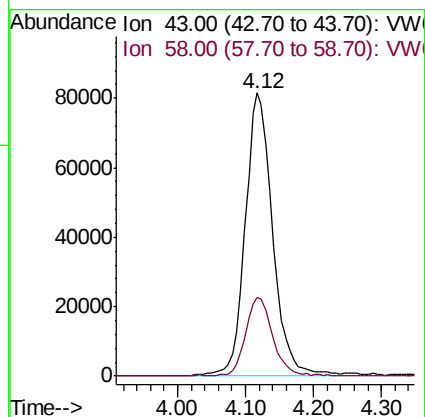
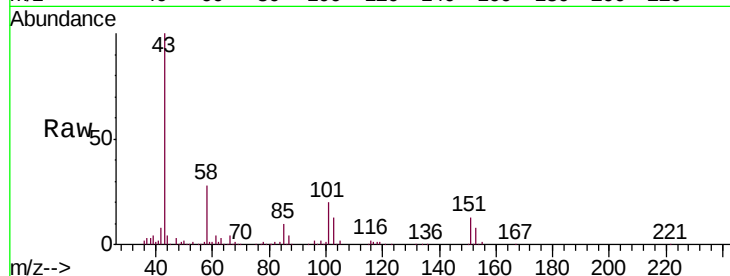
VSTD025309

Tgt Ion: 43 Resp: 227189

Ion Ratio Lower Upper

43 100

58 26.7 0.0 54.6



#14

Carbon disulfide

Concen: 25.903 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW014987.D

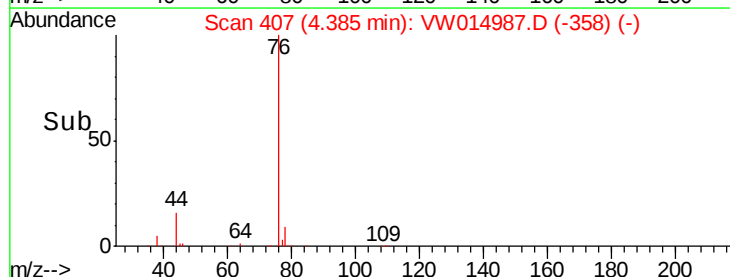
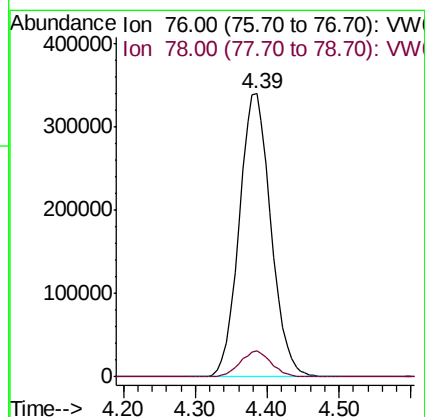
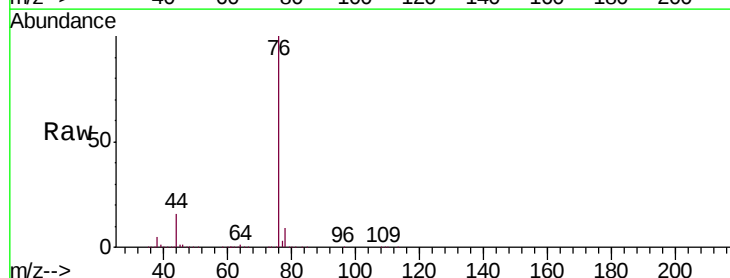
Acq: 14 Feb 2020 09:34

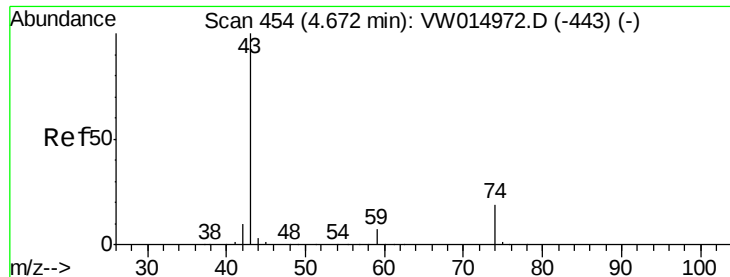
Tgt Ion: 76 Resp: 1036896

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8

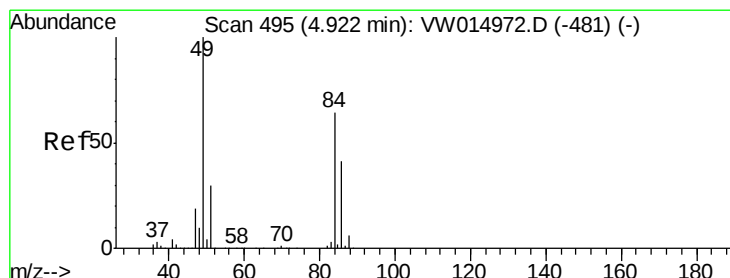
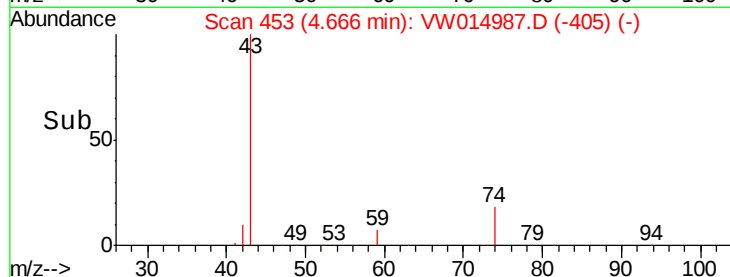
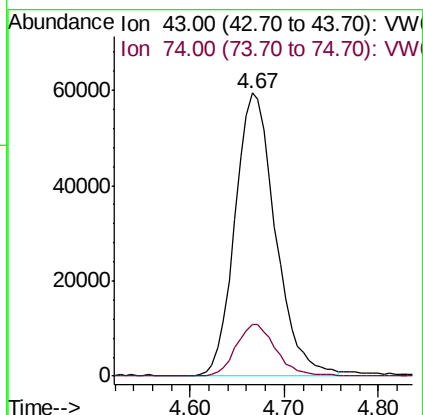
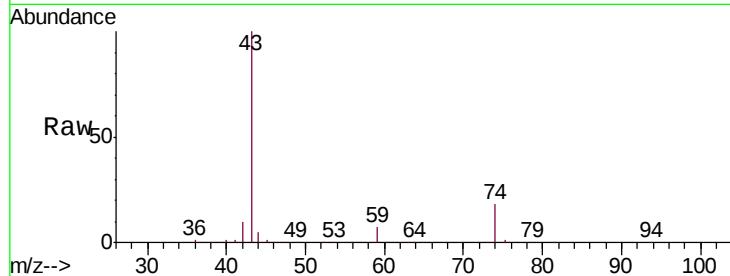




#15
Methyl Acetate
Concen: 23.478 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW014987.D
Acq: 14 Feb 2020 09:34

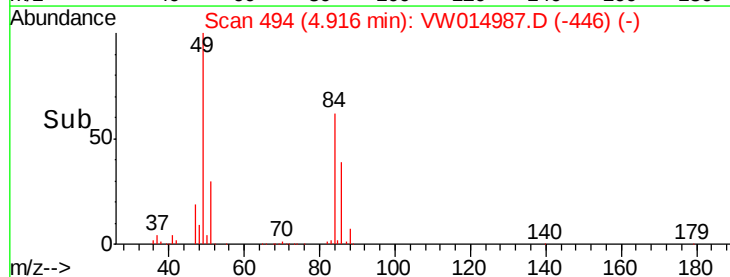
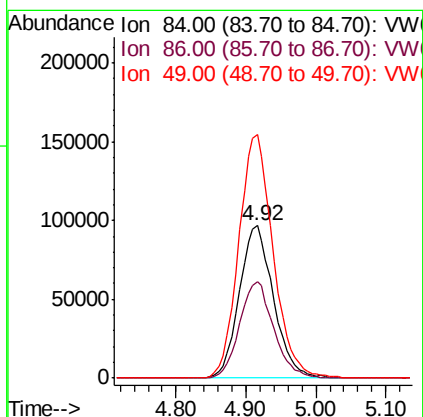
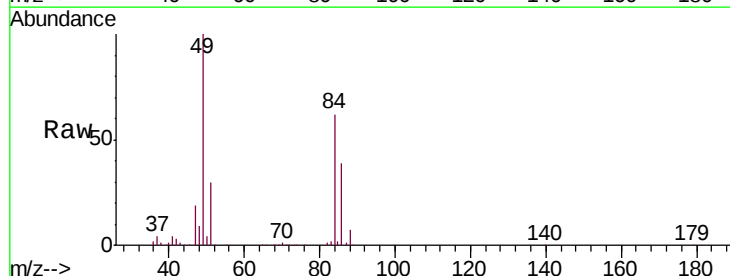
Instrument :
MSVOA_W
ClientSampleId :
VSTD025309

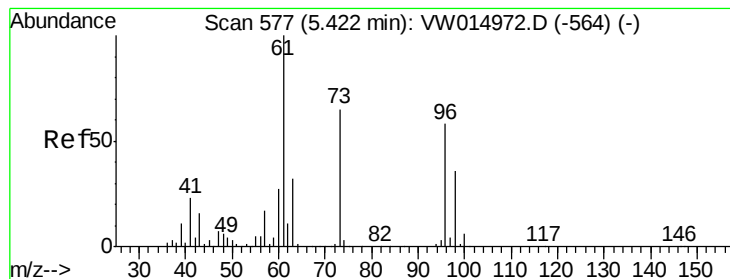
Tgt Ion: 43 Resp: 177351
Ion Ratio Lower Upper
43 100
74 18.1 14.6 21.8



#16
Methylene chloride
Concen: 23.886 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW014987.D
Acq: 14 Feb 2020 09:34

Tgt Ion: 84 Resp: 327931
Ion Ratio Lower Upper
84 100
86 63.2 44.4 82.4
49 160.1 109.0 202.4





#17

trans-1,2-Dichloroethene

Concen: 26.855 ug/L

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW014987.D

Acq: 14 Feb 2020 09:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD025309

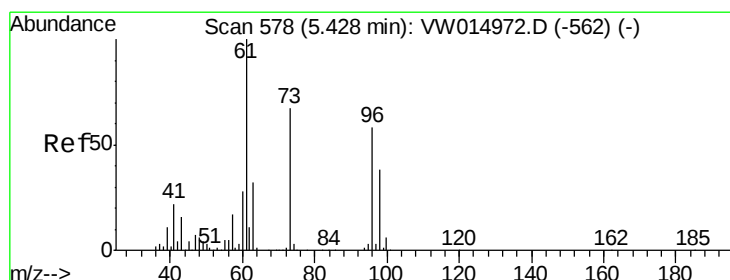
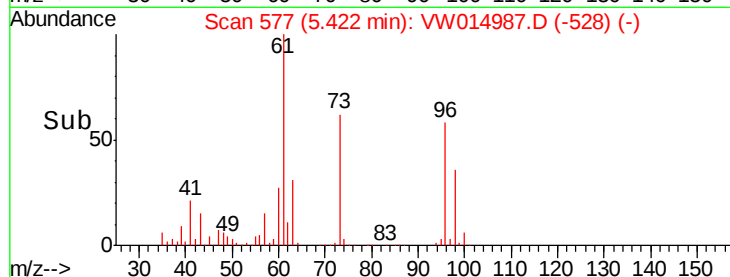
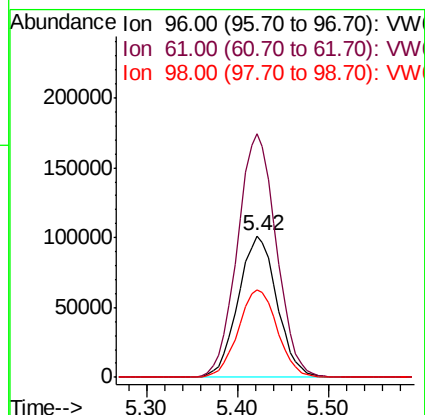
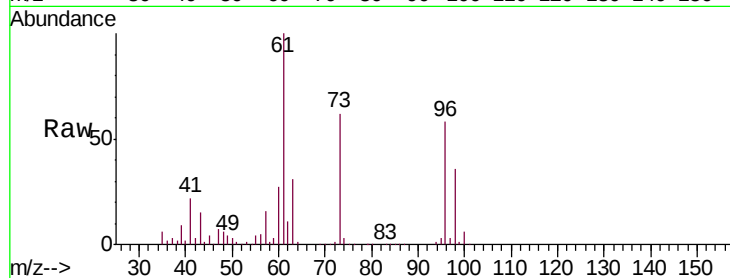
Tgt Ion: 96 Resp: 300050

Ion Ratio Lower Upper

96 100

61 171.8 120.1 223.1

98 61.3 43.8 81.3



#18

Methyl tert-butyl Ether

Concen: 26.529 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW014987.D

Acq: 14 Feb 2020 09:34

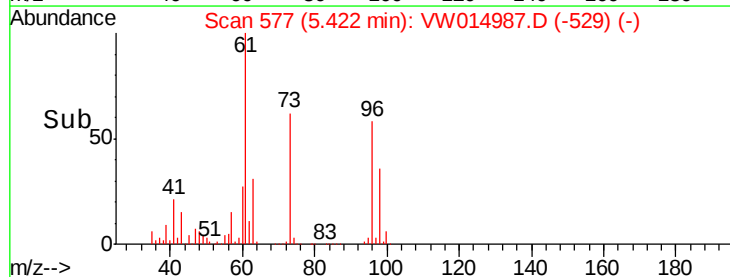
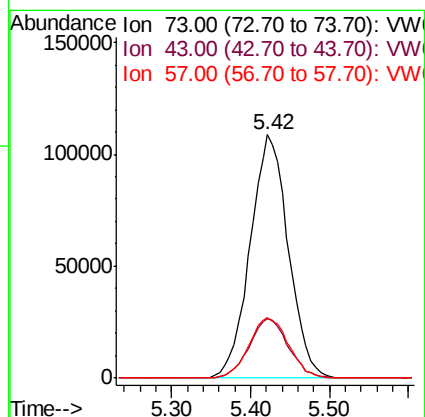
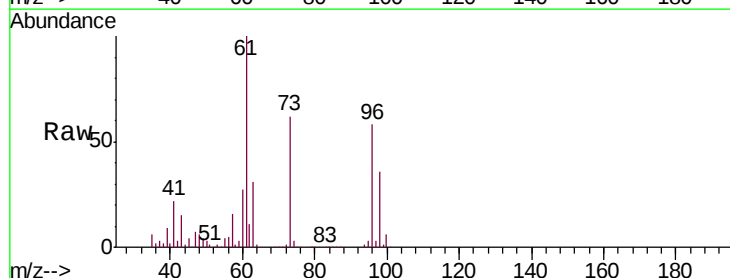
Tgt Ion: 73 Resp: 365846

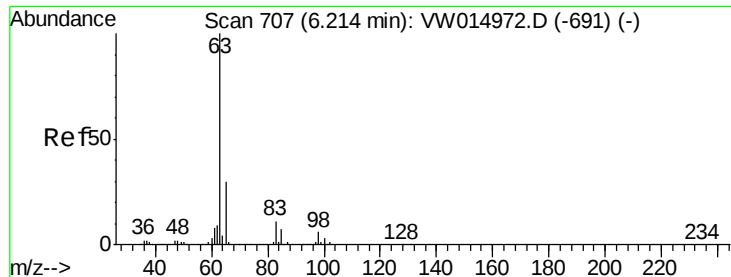
Ion Ratio Lower Upper

73 100

43 24.6 19.6 29.4

57 25.8 21.0 31.4

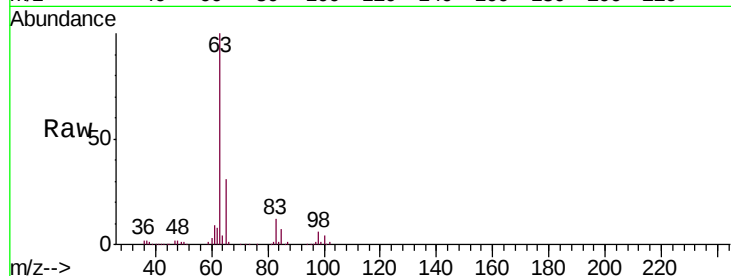




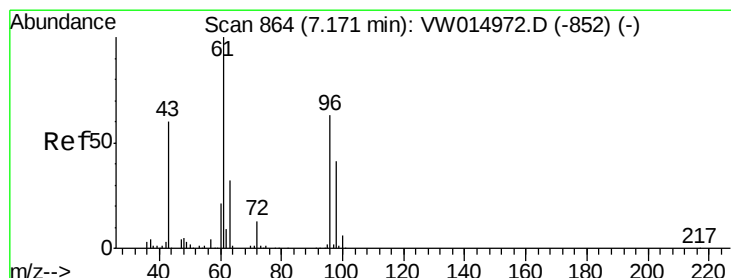
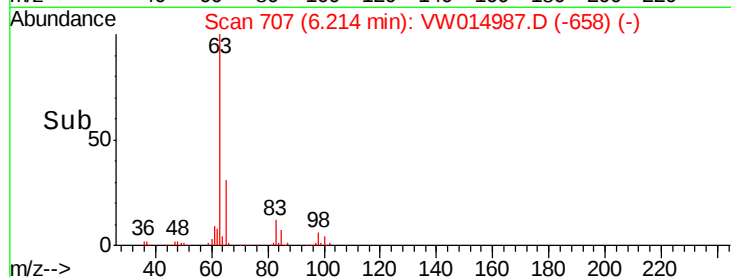
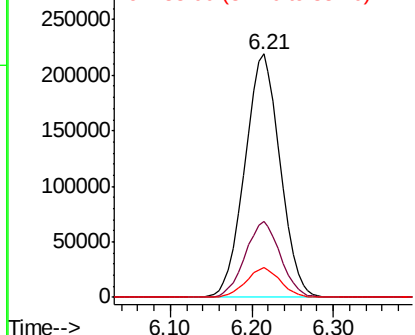
#19
 1,1-Dichloroethane
 Concen: 26.454 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW014987.D
 Acq: 14 Feb 2020 09:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025309

Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.1	20.9	38.7
83	12.1	7.8	14.6

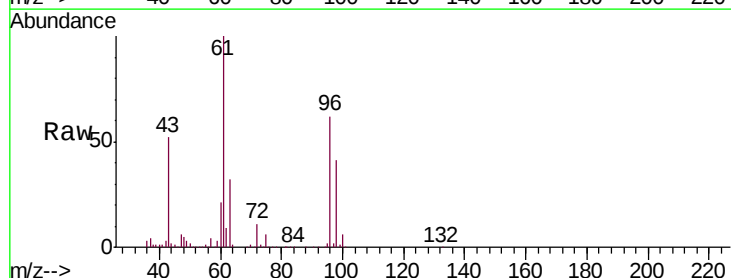


Abundance Ion 63.00 (62.70 to 63.70): VW
 Ion 65.00 (64.70 to 65.70): VW
 Ion 83.00 (82.70 to 83.70): VW

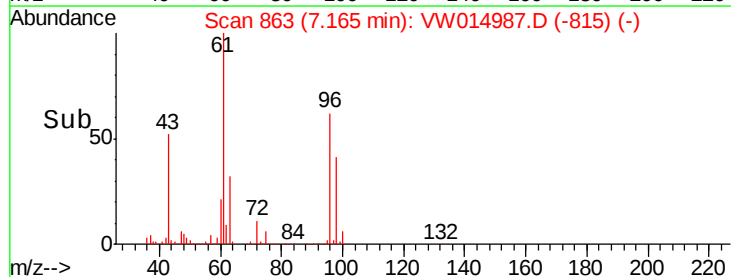
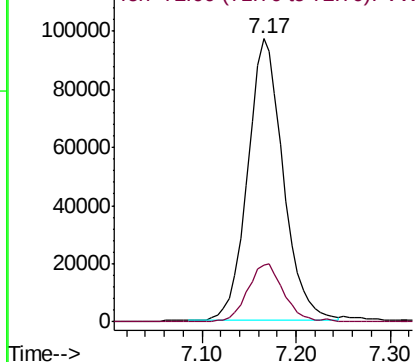


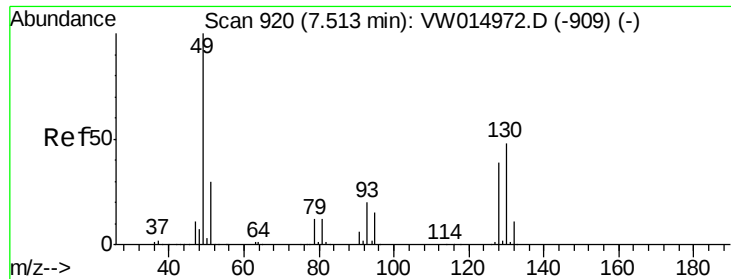
#22
 2-Butanone
 Concen: 49.011 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW014987.D
 Acq: 14 Feb 2020 09:34

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.9	11.1	33.1



Abundance Ion 43.00 (42.70 to 43.70): VW
 Ion 72.00 (71.70 to 72.70): VW





#23

Bromochloromethane

Concen: 25.278 ug/L

RT: 7.51 min Scan# 920

Delta R.T. 0.00 min

Lab File: VW014987.D

Acq: 14 Feb 2020 09:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD025309

Tgt Ion:128 Resp: 118069

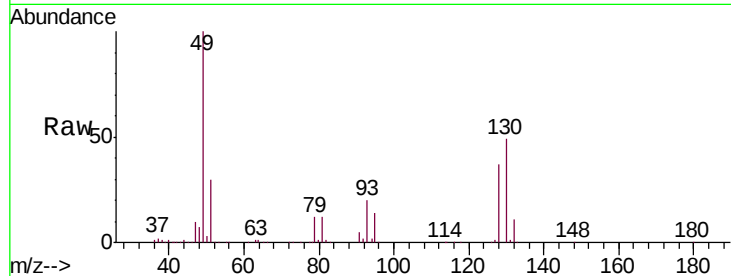
Ion Ratio Lower Upper

128 100

49 272.8 179.0 332.4

130 132.7 85.5 158.7

51 82.8 61.7 92.5

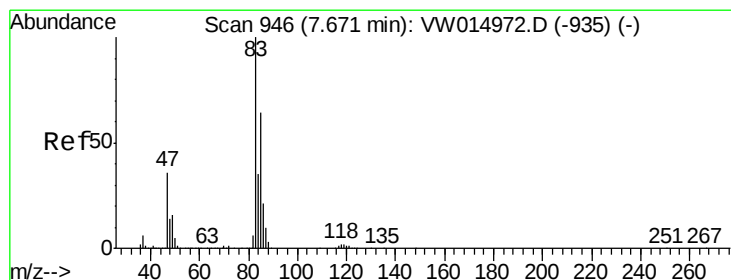
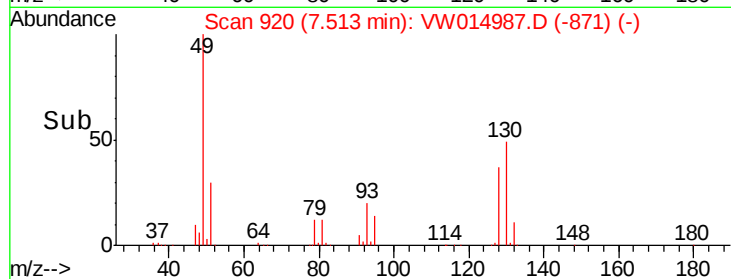
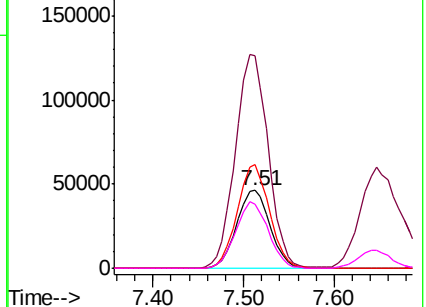


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VW

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VW



#25

Chloroform

Concen: 26.126 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW014987.D

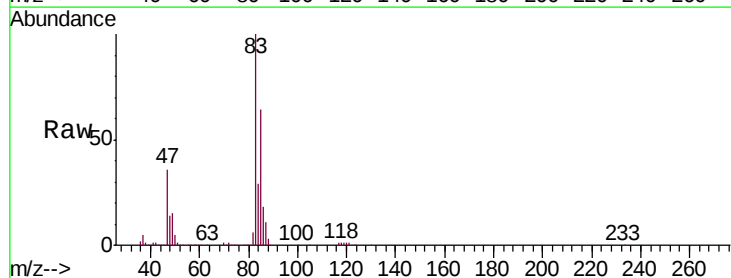
Acq: 14 Feb 2020 09:34

Tgt Ion: 83 Resp: 580966

Ion Ratio Lower Upper

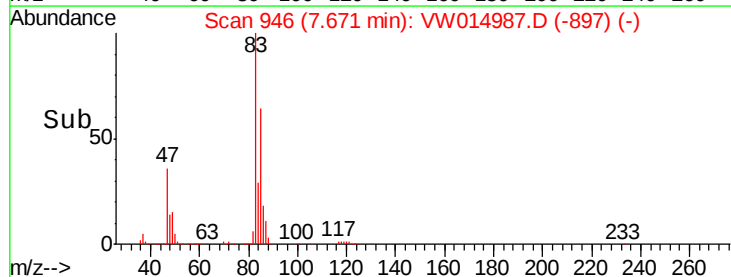
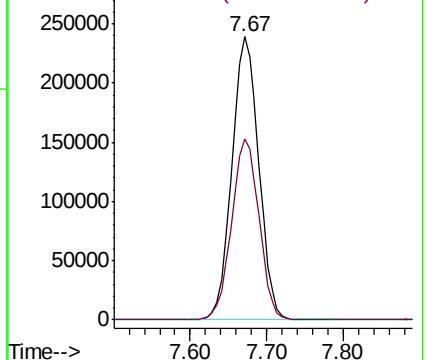
83 100

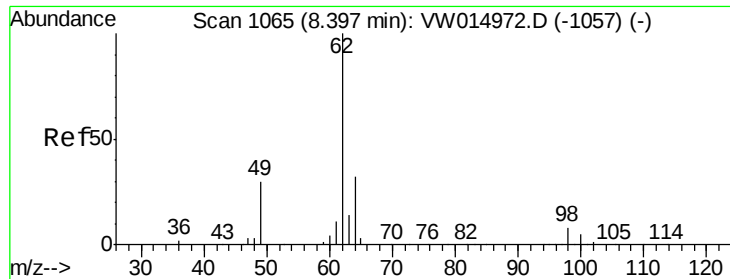
85 63.9 45.1 83.7



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

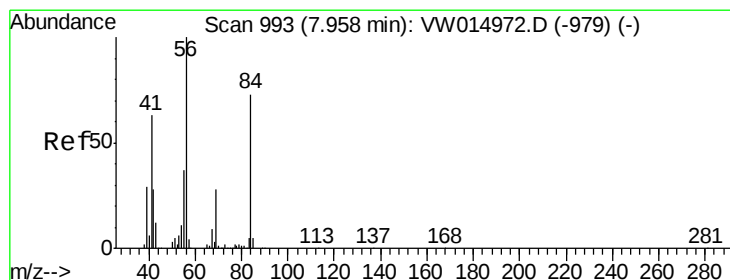
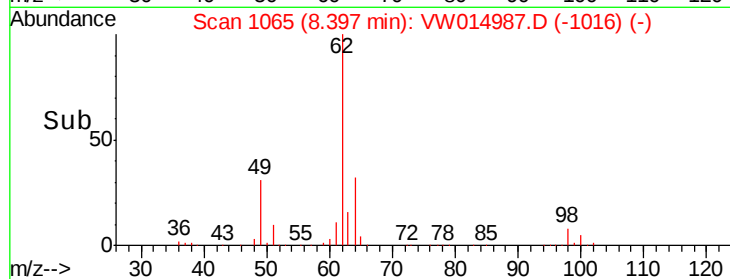
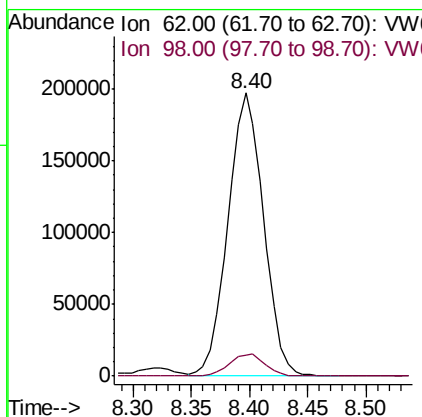
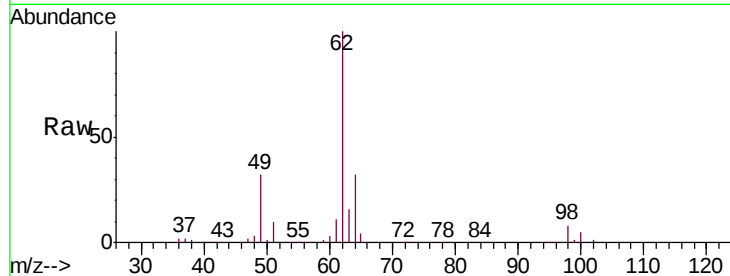




#27
 1,2-Dichloroethane
 Concen: 25.687 ug/L
 RT: 8.40 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: VW014987.D
 Acq: 14 Feb 2020 09:34

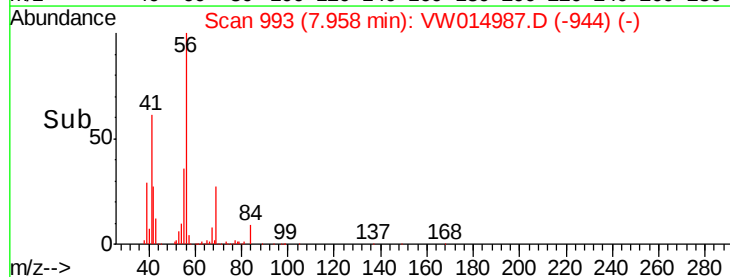
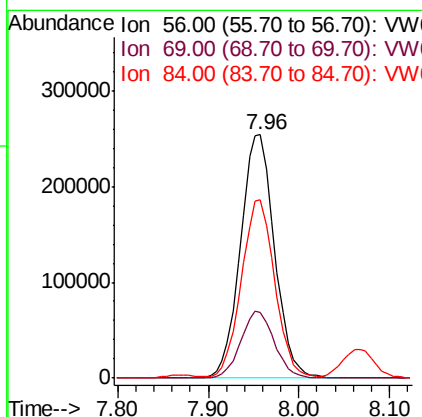
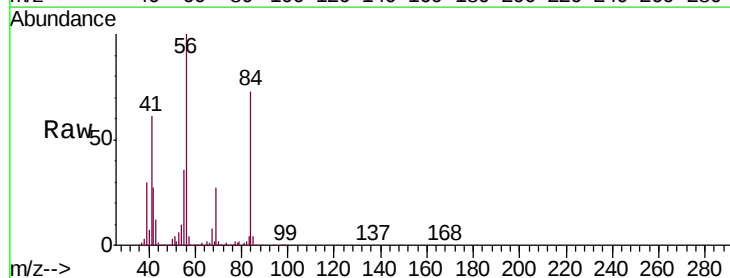
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025309

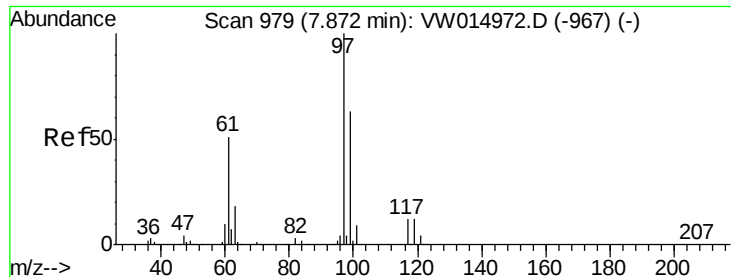
Tgt Ion: 62 Resp: 419771
 Ion Ratio Lower Upper
 62 100
 98 7.6 6.2 9.4



#29
 Cyclohexane
 Concen: 30.118 ug/L
 RT: 7.96 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VW014987.D
 Acq: 14 Feb 2020 09:34

Tgt Ion: 56 Resp: 660443
 Ion Ratio Lower Upper
 56 100
 69 27.1 22.0 33.0
 84 72.1 57.8 86.6

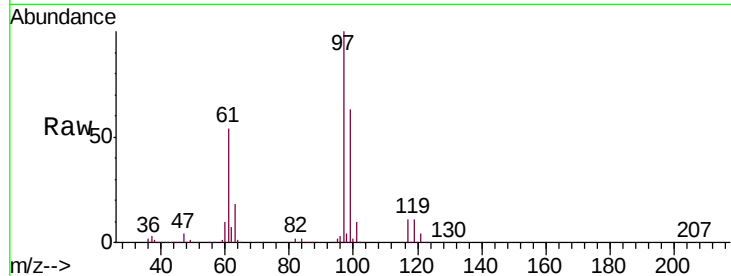




#30
 1,1,1-Trichloroethane
 Concen: 27.621 ug/L
 RT: 7.87 min Scan# 979
 Delta R.T. 0.00 min
 Lab File: VW014987.D
 Acq: 14 Feb 2020 09:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025309

Tgt Ion	Resp	Lower	Upper
97	451842		
99	63.9	50.6	75.8
61	54.5	42.7	64.1

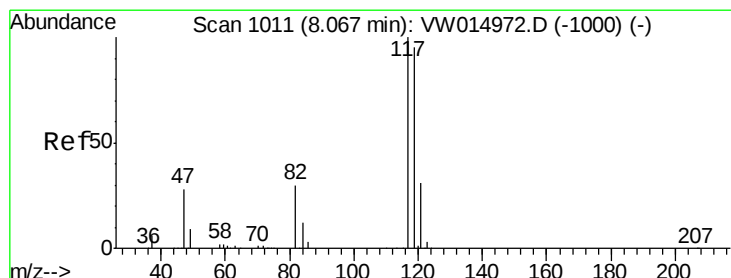
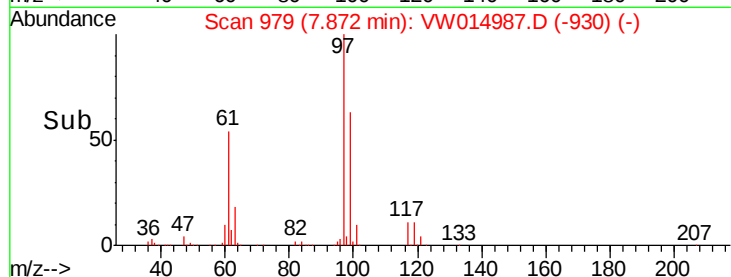
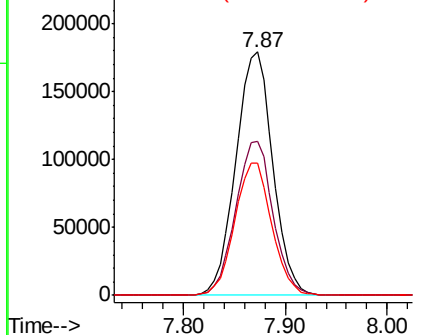


Abundance

Ion 97.00 (96.70 to 97.70): VW

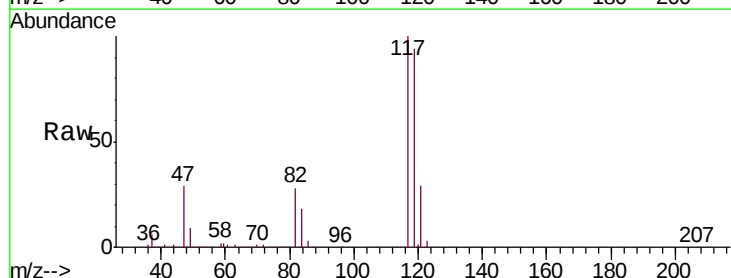
Ion 99.00 (98.70 to 99.70): VW

Ion 61.05 (60.75 to 61.75): VW



#31
 Carbon tetrachloride
 Concen: 27.445 ug/L
 RT: 8.07 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: VW014987.D
 Acq: 14 Feb 2020 09:34

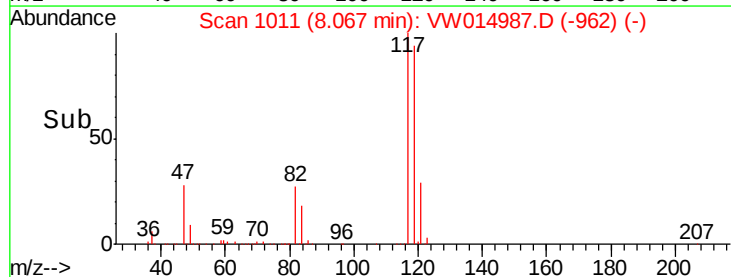
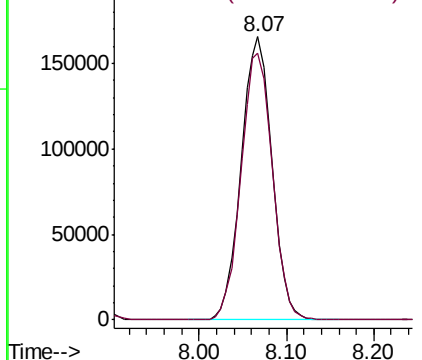
Tgt Ion	Resp	Lower	Upper
117	404692		
119	96.0	76.6	114.8

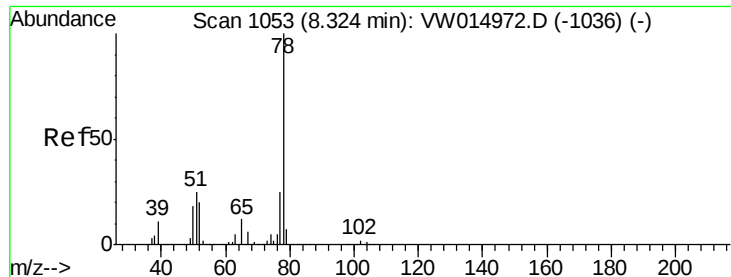


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V





#33

Benzene

Concen: 27.790 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW014987.D

Acq: 14 Feb 2020 09:34

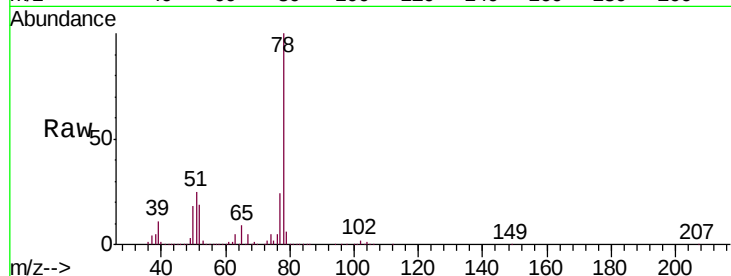
Instrument :

MSVOA_W

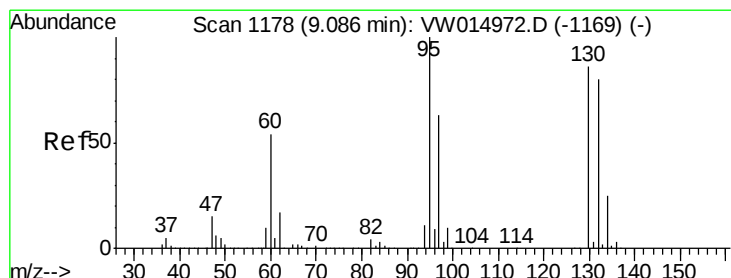
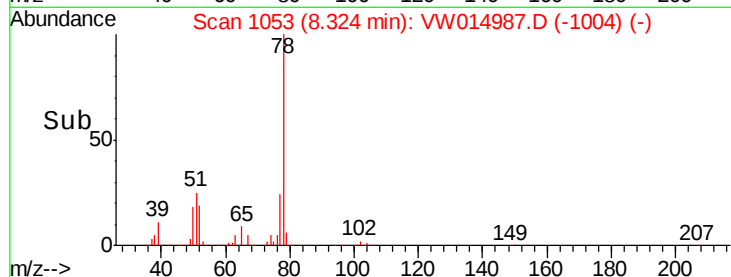
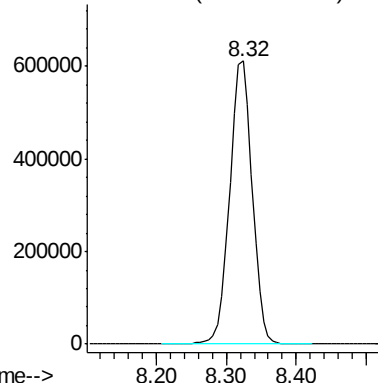
ClientSampleId :

VSTD025309

Tgt Ion: 78 Resp: 1372172



Abundance Ion 78.00 (77.70 to 78.70): VW



#34

Trichloroethene

Concen: 27.363 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VW014987.D

Acq: 14 Feb 2020 09:34

Tgt Ion: 95 Resp: 323591

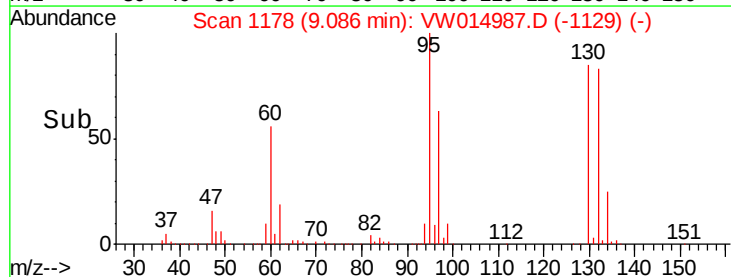
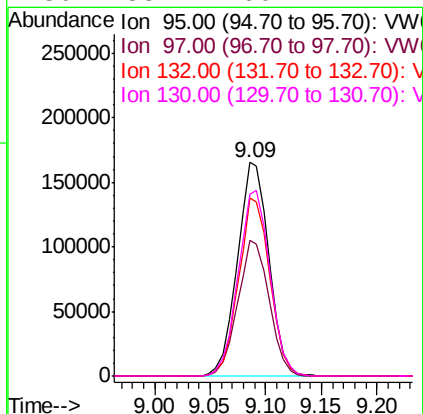
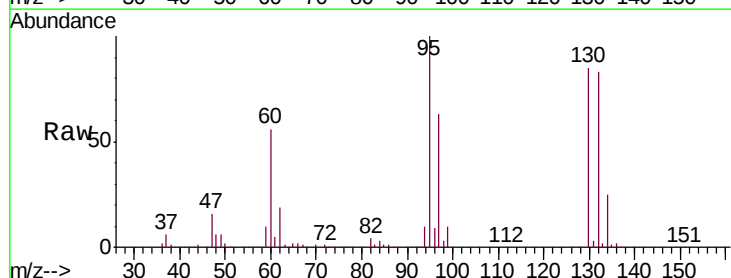
Ion	Ratio	Lower	Upper
95	100		
97	63.3	44.2	82.0
132	83.1	56.1	104.3
130	85.1	60.1	111.7

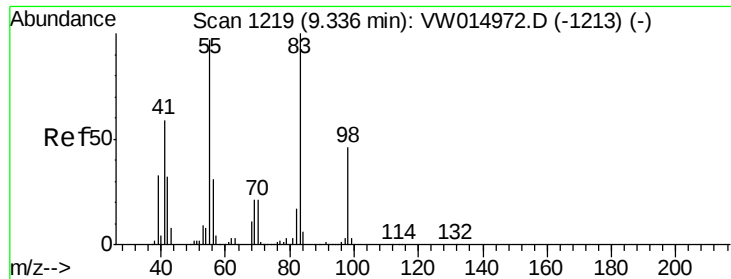
Abundance Ion 95.00 (94.70 to 95.70): VW

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

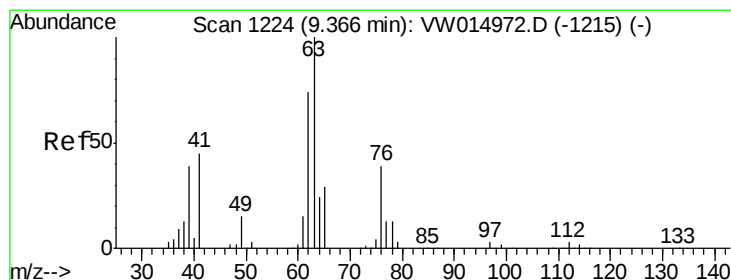
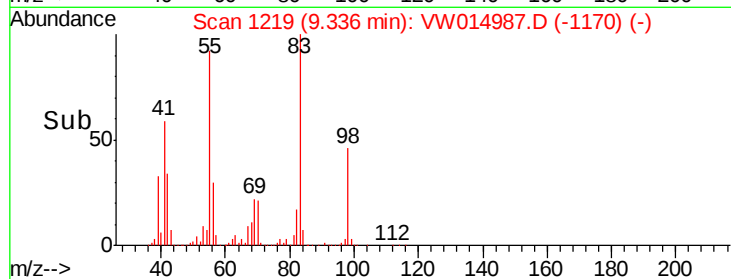
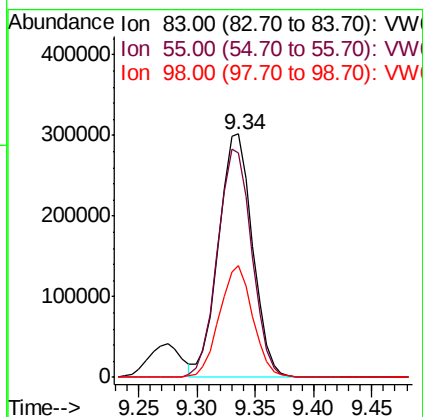
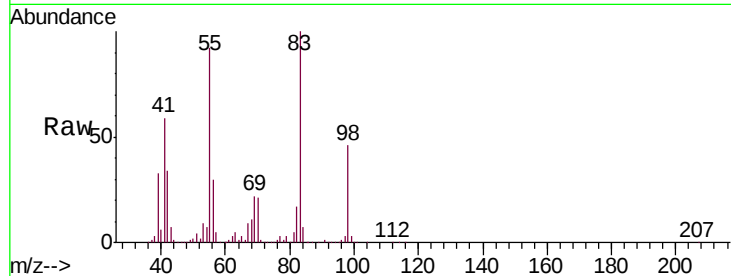




#35
Methylcyclohexane
Concen: 29.980 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW014987.D
Acq: 14 Feb 2020 09:34

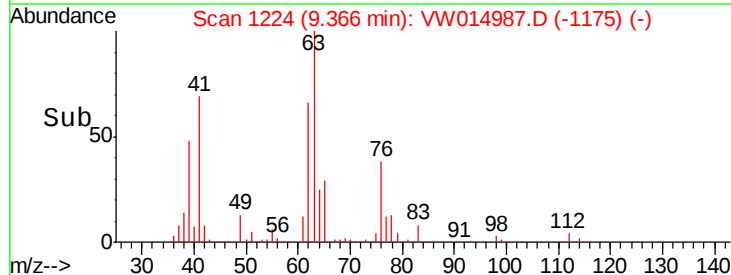
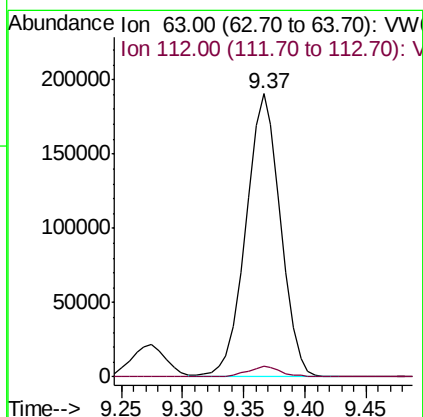
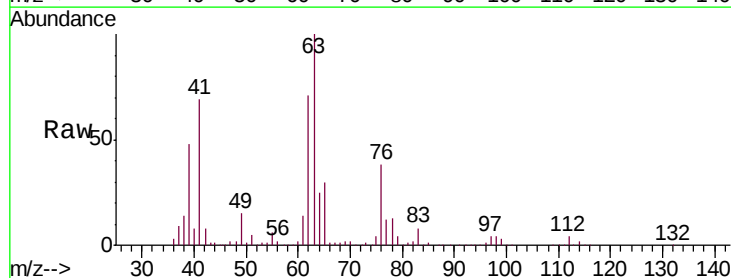
Instrument :
MSVOA_W
ClientSampleId :
VSTD025309

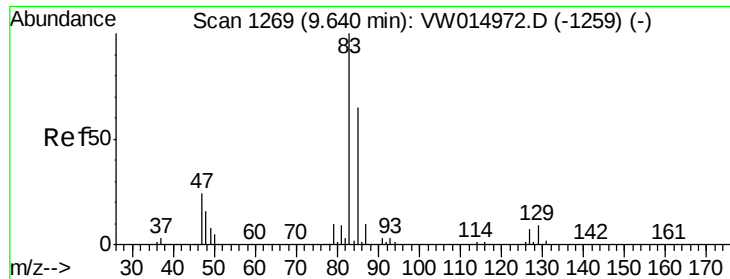
Tgt Ion: 83 Resp: 611484
Ion Ratio Lower Upper
83 100
55 94.1 76.3 114.5
98 45.0 36.4 54.6



#37
1,2-Dichloropropane
Concen: 27.213 ug/L
RT: 9.37 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VW014987.D
Acq: 14 Feb 2020 09:34

Tgt Ion: 63 Resp: 375290
Ion Ratio Lower Upper
63 100
112 3.6 2.6 4.0





#38

Bromodichloromethane

Concen: 26.980 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW014987.D

Acq: 14 Feb 2020 09:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD025309

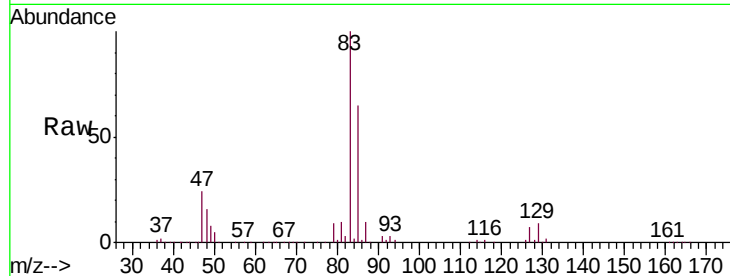
Tgt Ion: 83 Resp: 418981

Ion Ratio Lower Upper

83 100

85 64.6 45.2 84.0

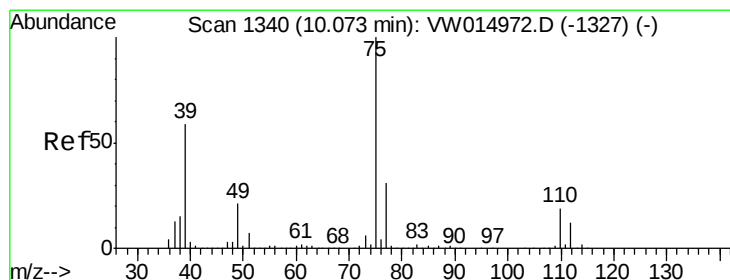
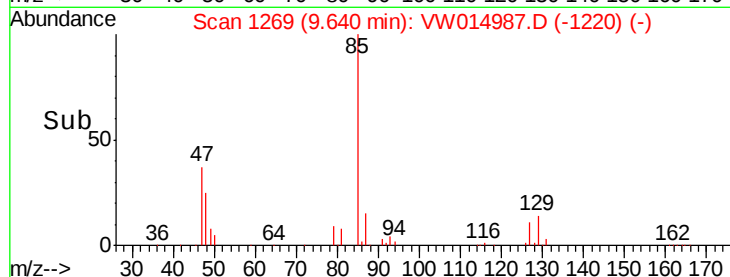
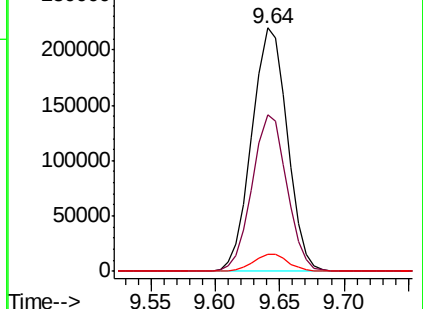
127 6.8 5.5 8.3



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): VW



#39

cis-1,3-Dichloropropene

Concen: 27.960 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW014987.D

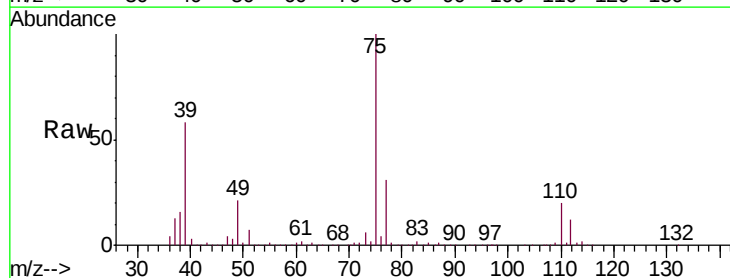
Acq: 14 Feb 2020 09:34

Tgt Ion: 75 Resp: 515876

Ion Ratio Lower Upper

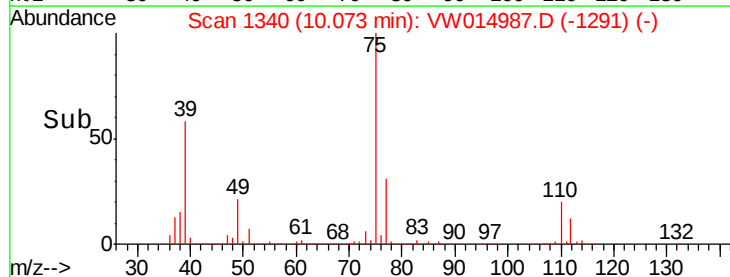
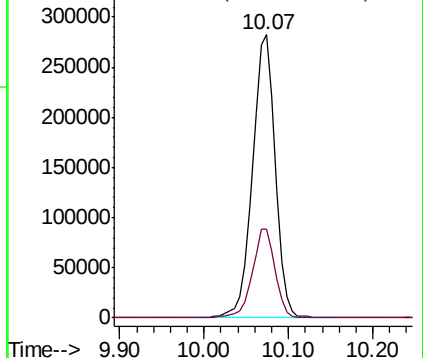
75 100

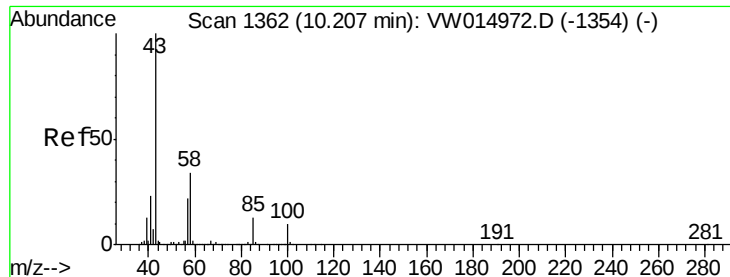
77 31.3 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

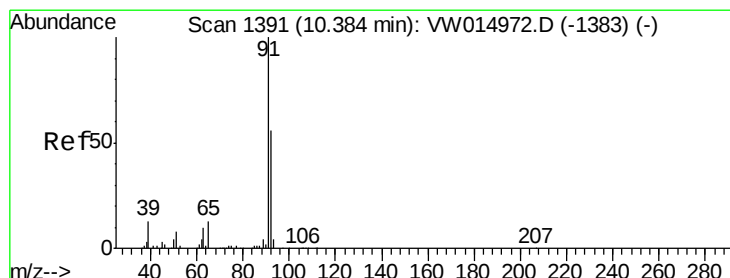
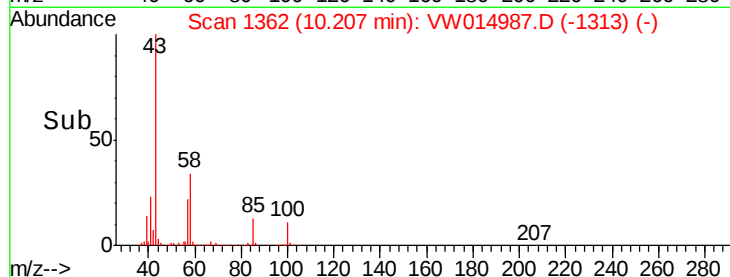
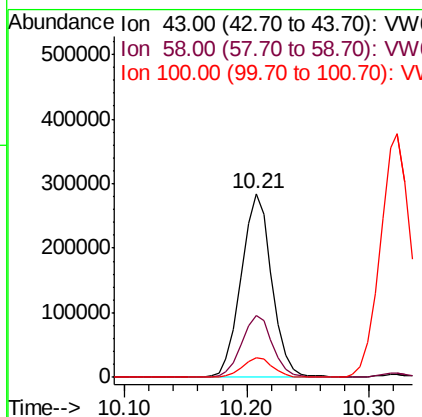
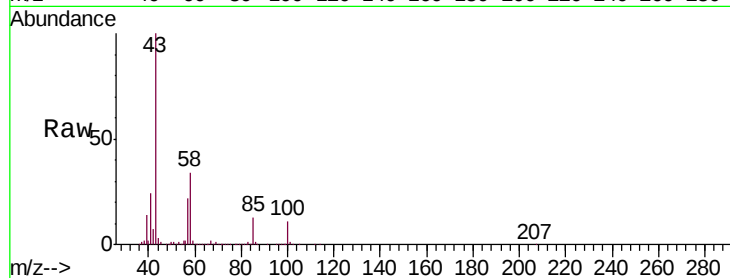




#40
4-Methyl-2-pentanone
Concen: 50.182 ug/L
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW014987.D
Acq: 14 Feb 2020 09:34

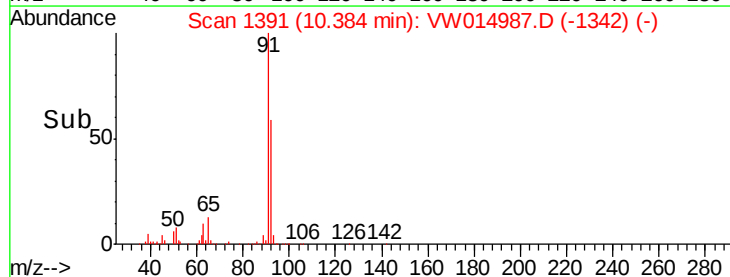
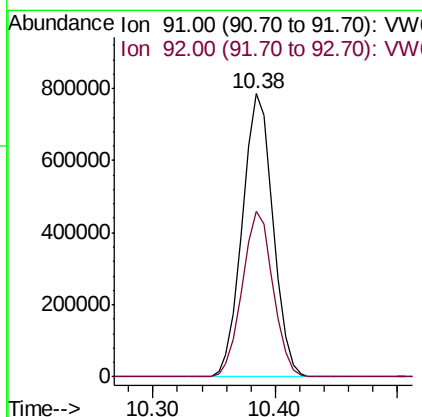
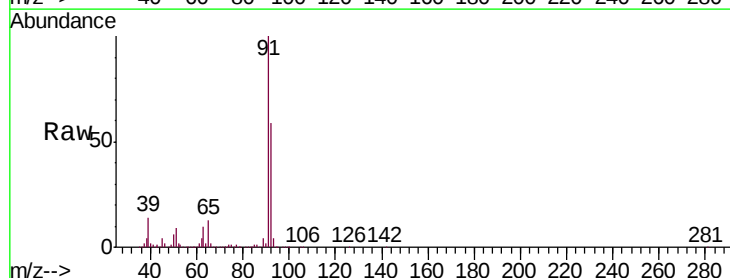
Instrument :
MSVOA_W
ClientSampleId :
VSTD025309

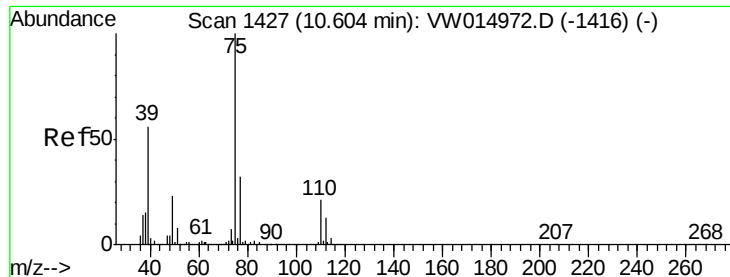
Tgt Ion: 43 Resp: 492696
Ion Ratio Lower Upper
43 100
58 34.0 27.7 41.5
100 10.8 8.6 13.0



#42
Toluene
Concen: 28.724 ug/L
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW014987.D
Acq: 14 Feb 2020 09:34

Tgt Ion: 91 Resp: 1370430
Ion Ratio Lower Upper
91 100
92 58.5 39.5 73.3





#44

trans-1,3-Dichloropropene

Concen: 27.271 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014987.D

Acq: 14 Feb 2020 09:34

Instrument :

MSVOA_W

ClientSampled :

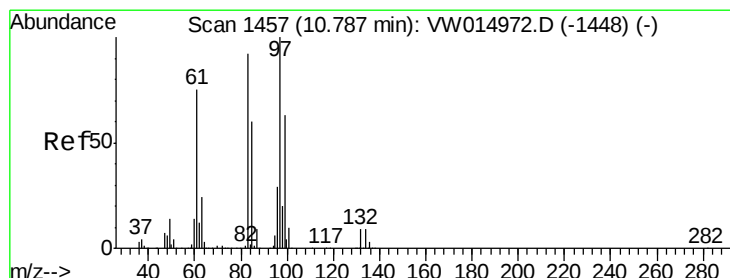
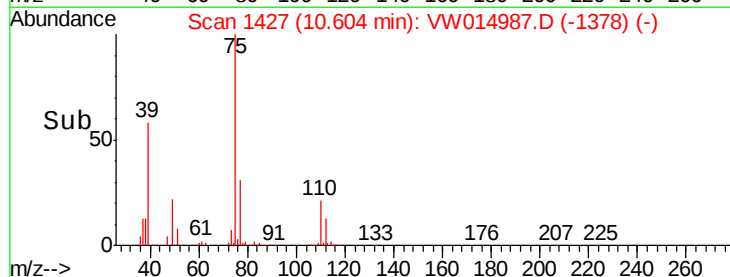
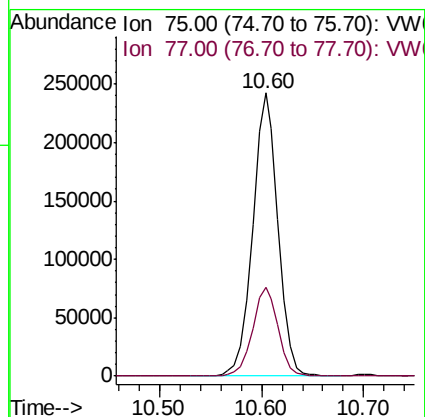
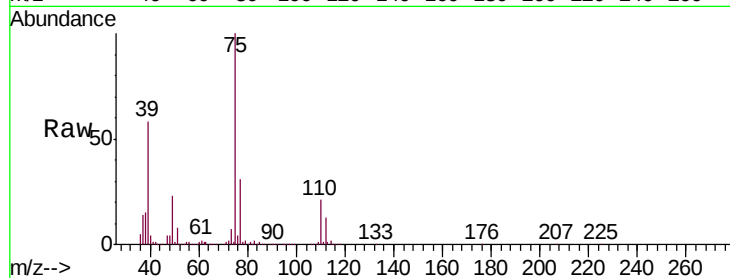
VSTD025309

Tgt Ion: 75 Resp: 417413

Ion Ratio Lower Upper

75 100

77 31.4 22.7 42.1



#45

1,1,2-Trichloroethane

Concen: 25.319 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW014987.D

Acq: 14 Feb 2020 09:34

Tgt Ion: 97 Resp: 211813

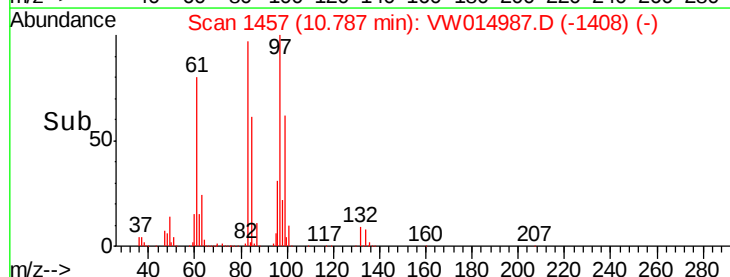
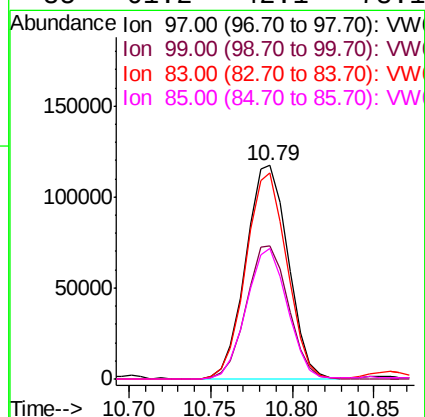
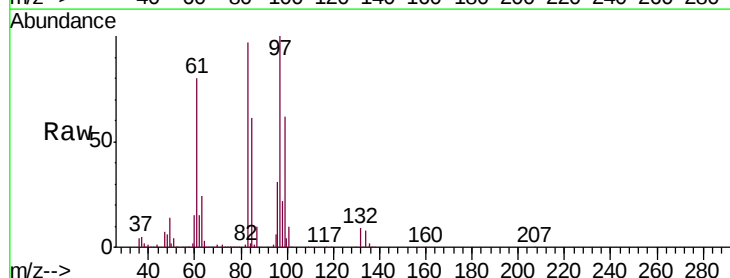
Ion Ratio Lower Upper

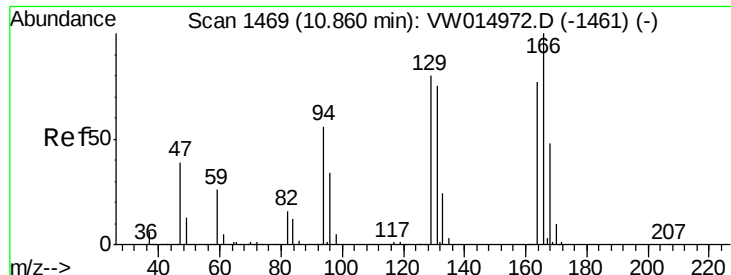
97 100

99 62.3 44.2 82.0

83 96.7 64.1 119.1

85 61.2 42.1 78.1





#46

Tetrachloroethene

Concen: 27.719 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW014987.D

Acq: 14 Feb 2020 09:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD025309

Tgt Ion:164 Resp: 212864

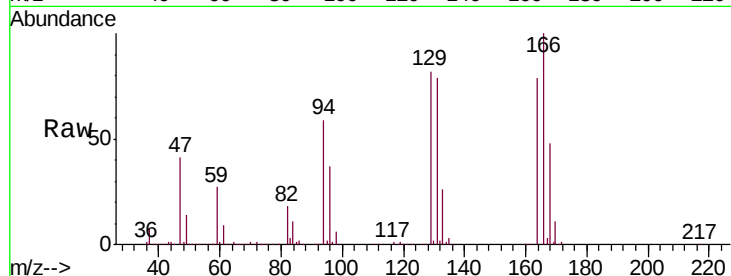
Ion Ratio Lower Upper

164 100

129 104.7 72.2 134.2

131 100.5 68.1 126.5

166 127.0 90.6 168.2



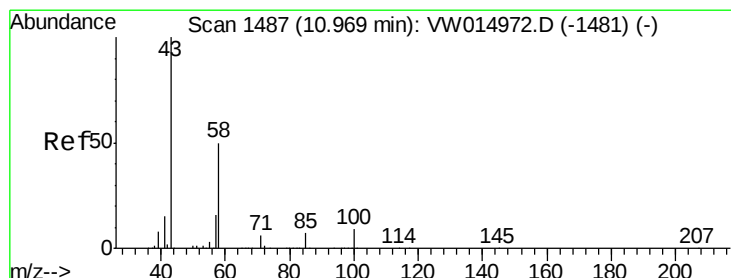
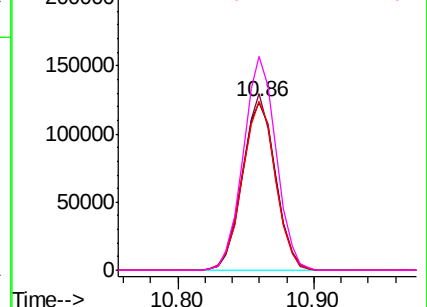
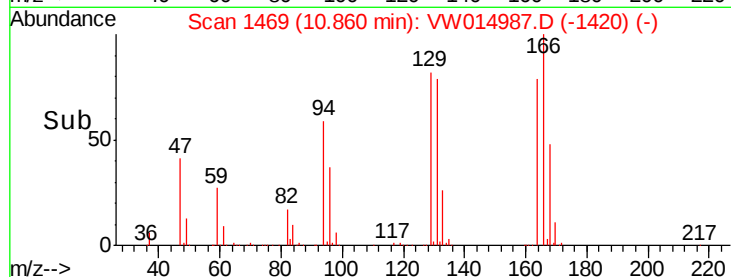
Abundance

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



#48

2-Hexanone

Concen: 53.110 ug/L

RT: 10.96 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VW014987.D

Acq: 14 Feb 2020 09:34

Tgt Ion: 43 Resp: 379933

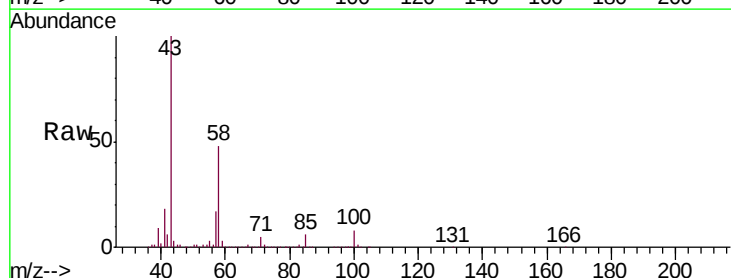
Ion Ratio Lower Upper

43 100

58 48.3 39.2 58.8

57 16.7 13.1 19.7

100 8.3 7.0 10.4



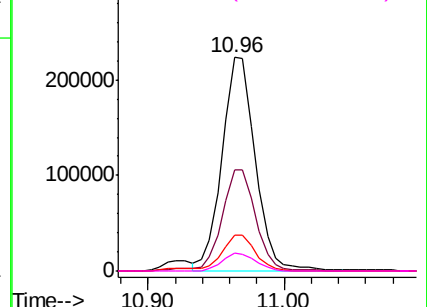
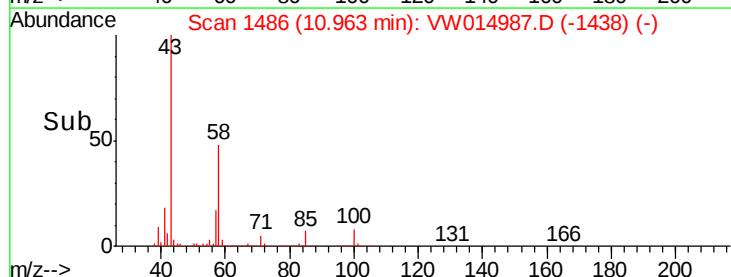
Abundance

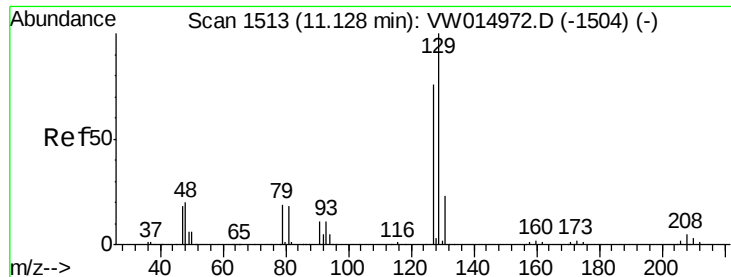
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW





#49

Dibromochloromethane

Concen: 26.111 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW014987.D

Acq: 14 Feb 2020 09:34

Instrument :

MSVOA_W

ClientSampleId :

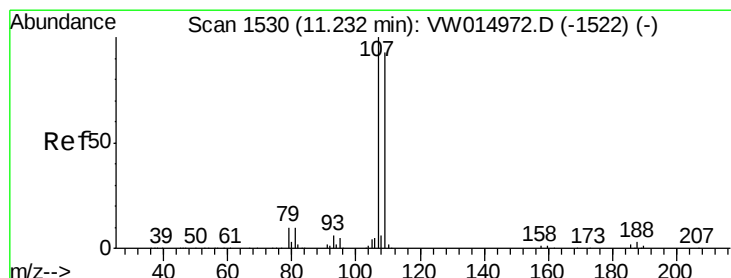
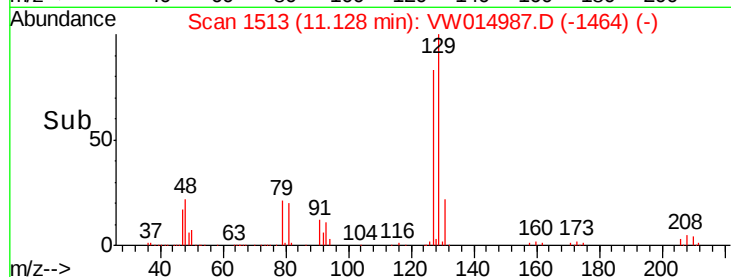
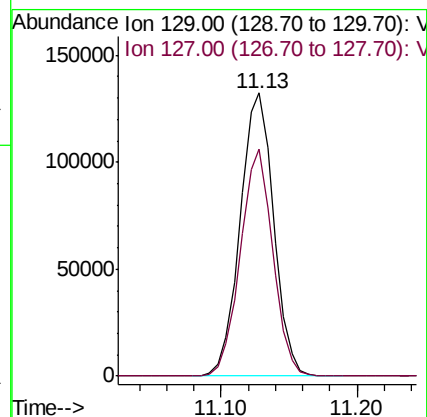
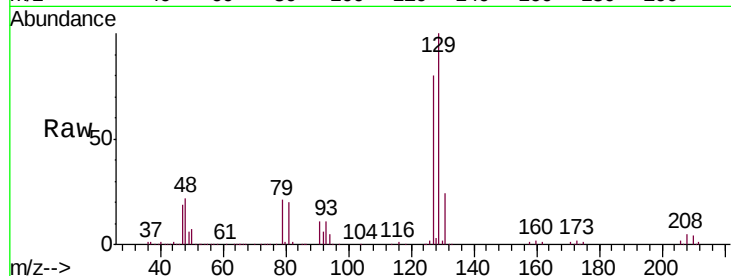
VSTD025309

Tgt Ion:129 Resp: 227596

Ion Ratio Lower Upper

129 100

127 80.4 53.0 98.4



#50

1,2-Dibromoethane

Concen: 25.572 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW014987.D

Acq: 14 Feb 2020 09:34

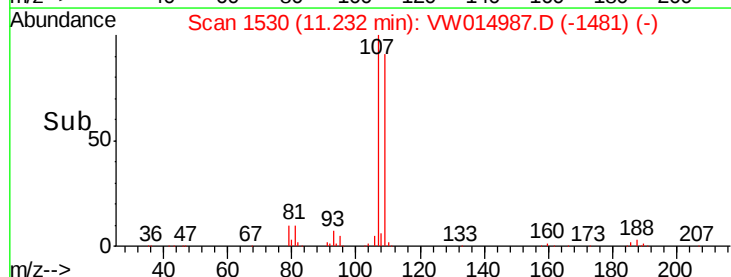
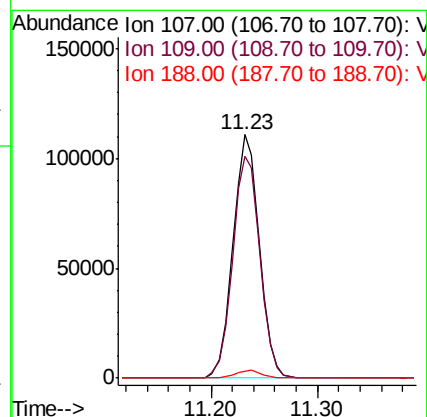
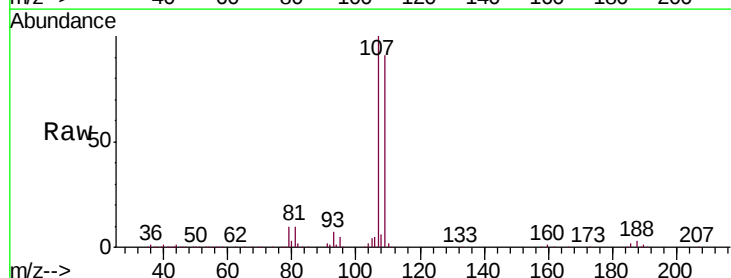
Tgt Ion:107 Resp: 192860

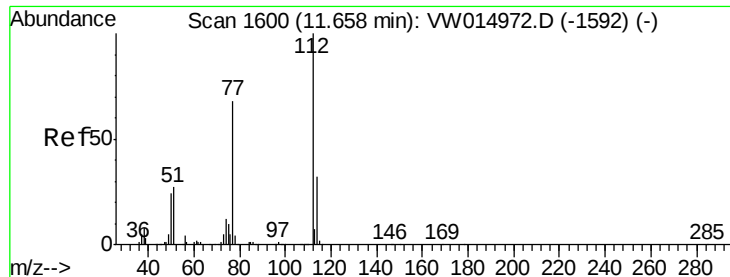
Ion Ratio Lower Upper

107 100

109 91.0 65.1 120.9

188 2.9 2.4 3.6





#51

Chlorobenzene

Concen: 26.893 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW014987.D

Acq: 14 Feb 2020 09:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD025309

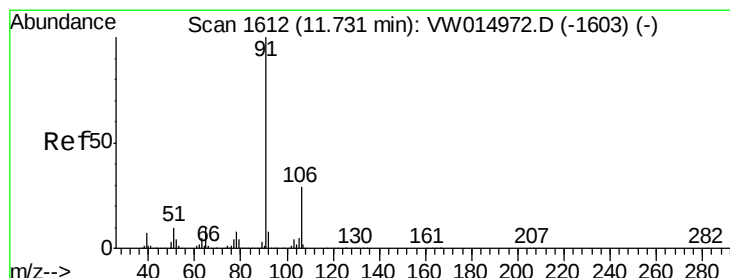
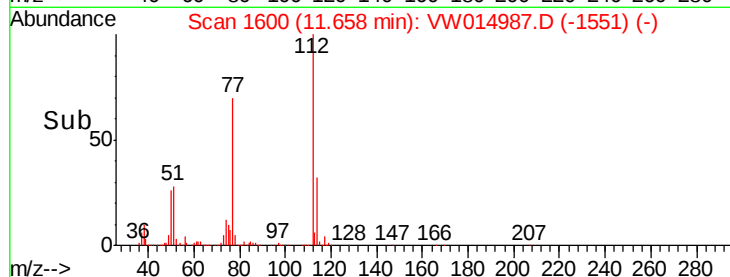
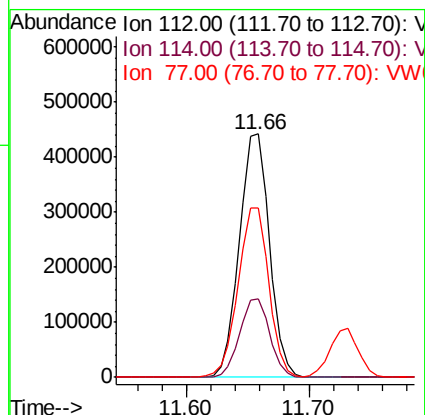
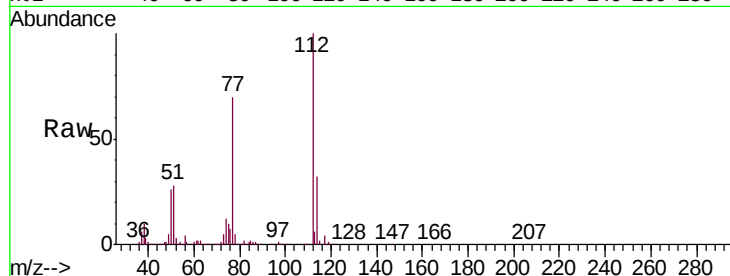
Tgt Ion: 112 Resp: 756858

Ion Ratio Lower Upper

112 100

114 32.4 22.6 42.0

77 69.7 54.6 82.0



#52

Ethylbenzene

Concen: 29.106 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW014987.D

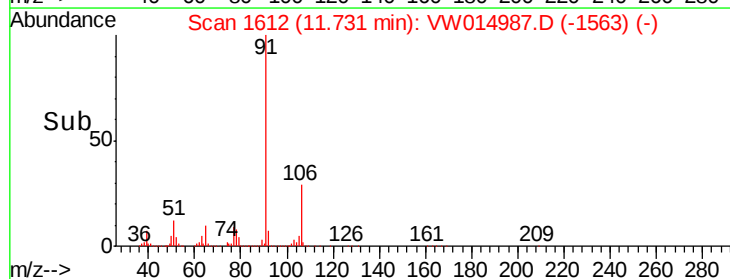
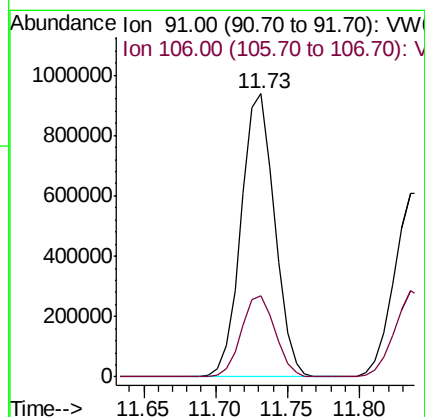
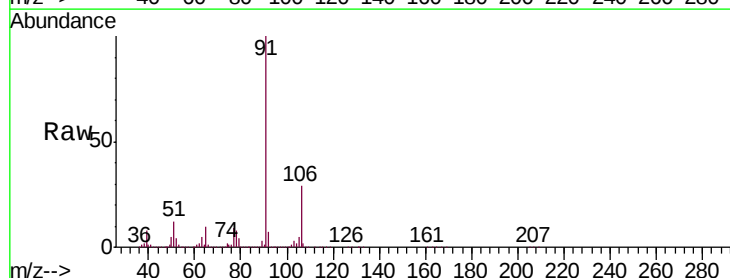
Acq: 14 Feb 2020 09:34

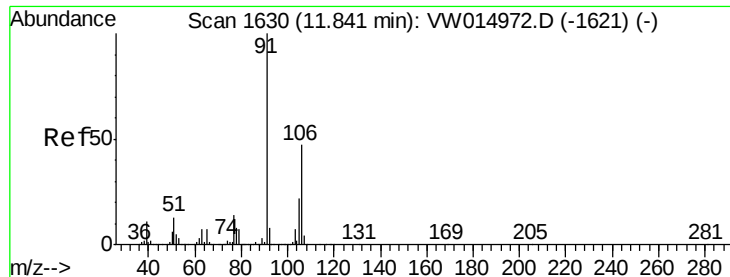
Tgt Ion: 91 Resp: 1512591

Ion Ratio Lower Upper

91 100

106 28.6 20.2 37.4





#53

m,p-Xylene

Concen: 28.948 ug/L

RT: 11.84 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW014987.D

Acq: 14 Feb 2020 09:34

Instrument :

MSVOA_W

ClientSampleId :

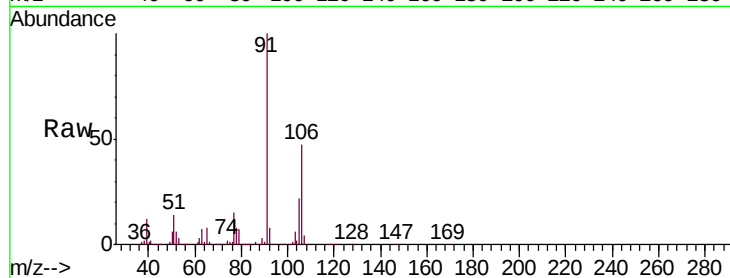
VSTD025309

Tgt Ion:106 Resp: 527869

Ion Ratio Lower Upper

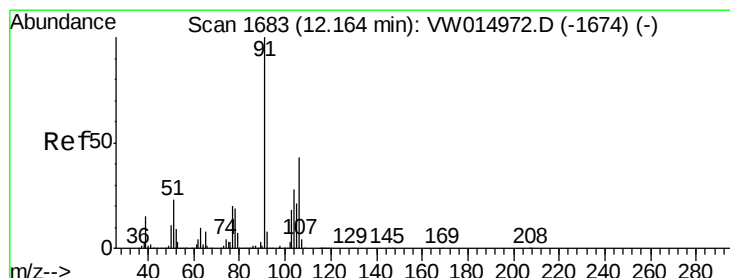
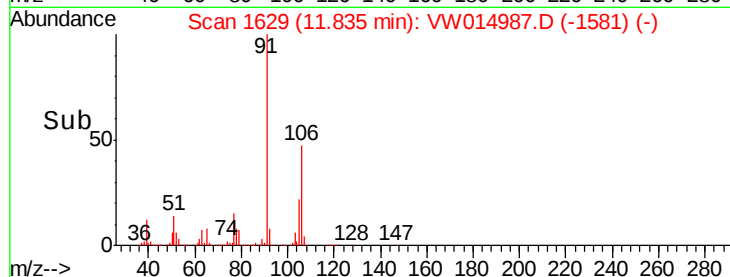
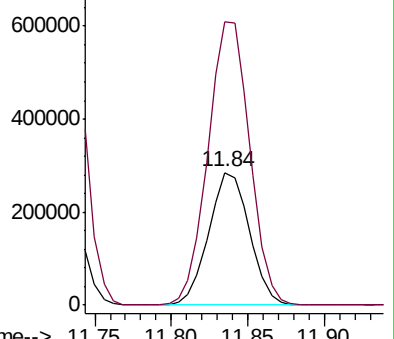
106 100

91 212.9 149.2 277.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#54

o-Xylene

Concen: 28.938 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW014987.D

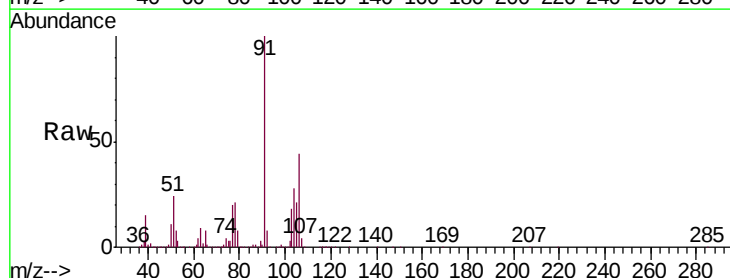
Acq: 14 Feb 2020 09:34

Tgt Ion:106 Resp: 495507

Ion Ratio Lower Upper

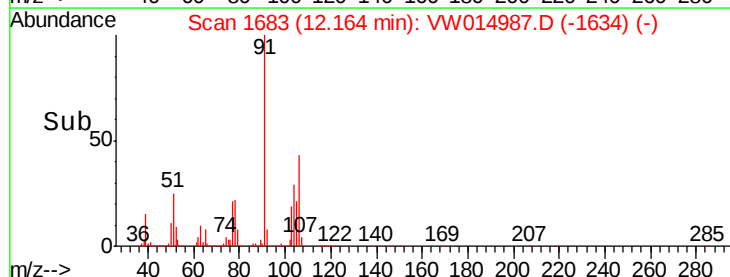
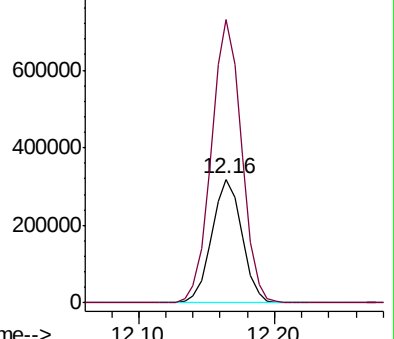
106 100

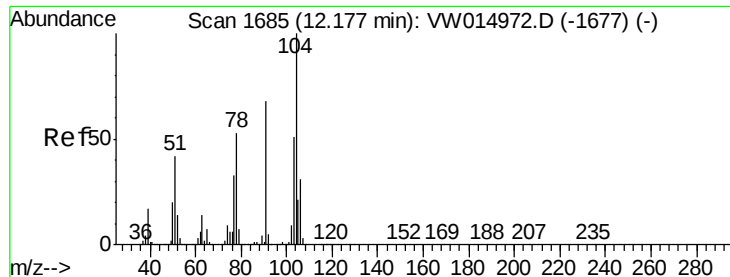
91 228.8 163.7 304.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#55

Styrene

Concen: 29.125 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VW014987.D

Acq: 14 Feb 2020 09:34

Instrument :

MSVOA_W

ClientSampleId :

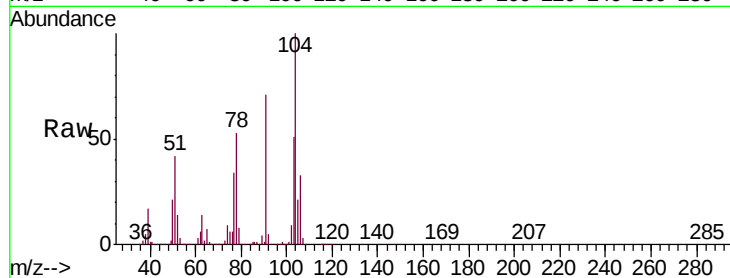
VSTD025309

Tgt Ion:104 Resp: 859725

Ion Ratio Lower Upper

104 100

78 52.6 36.8 68.4



Abundance Ion 104.00 (103.70 to 104.70): VW

Ion 78.00 (77.70 to 78.70): VW

12.18

600000

500000

400000

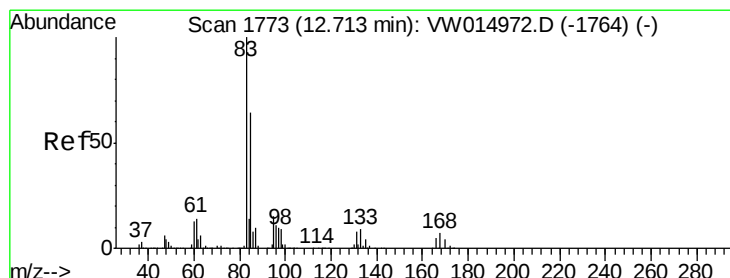
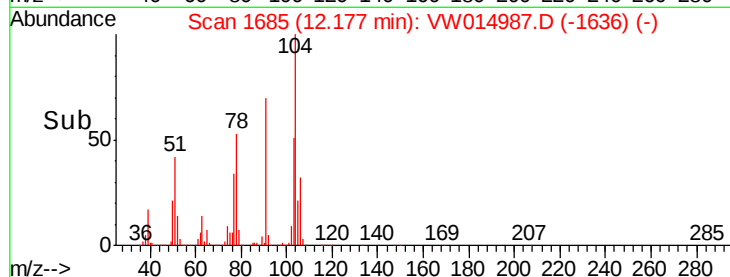
300000

200000

100000

0

Time-->



#57

1,1,2,2-Tetrachloroethane

Concen: 24.761 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014987.D

Acq: 14 Feb 2020 09:34

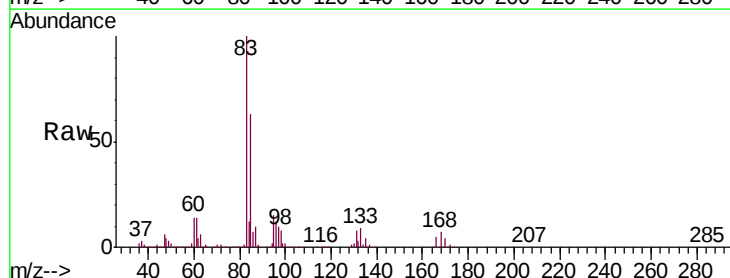
Tgt Ion: 83 Resp: 277169

Ion Ratio Lower Upper

83 100

85 62.6 44.9 83.5

131 8.3 6.2 9.2



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

12.71

200000

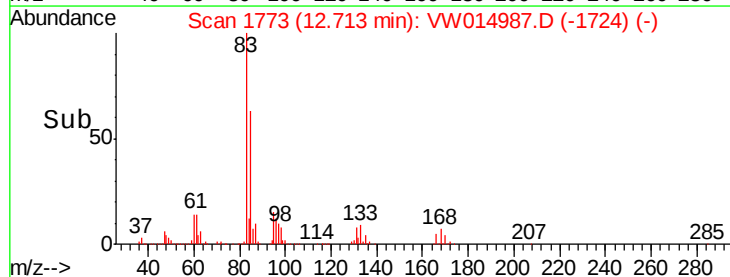
150000

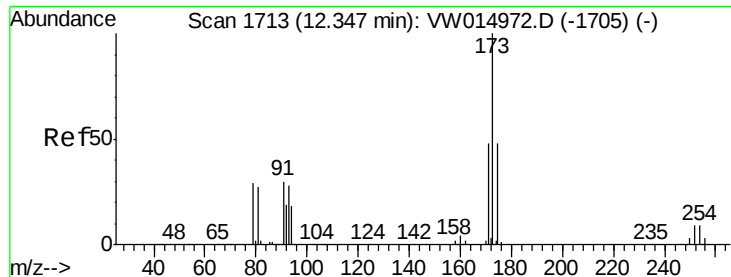
100000

50000

0

Time-->





#59

Bromoform

Concen: 25.053 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW014987.D

Acq: 14 Feb 2020 09:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD025309

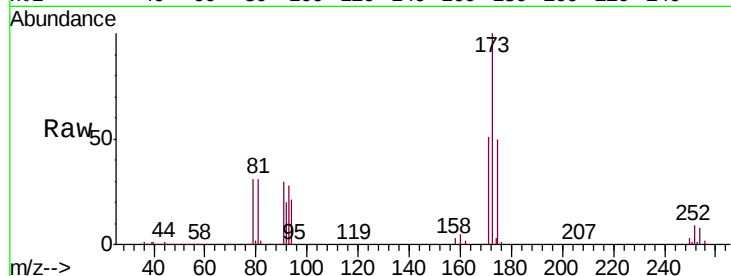
Tgt Ion:173 Resp: 114230

Ion Ratio Lower Upper

173 100

175 48.4 39.0 58.4

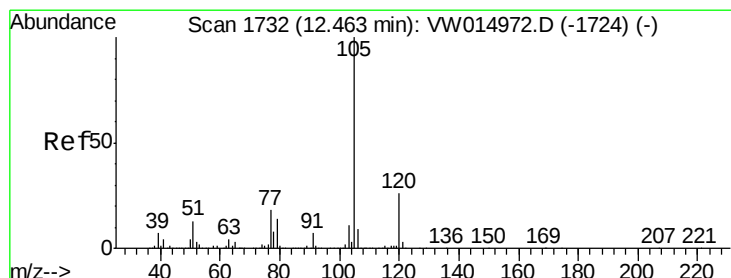
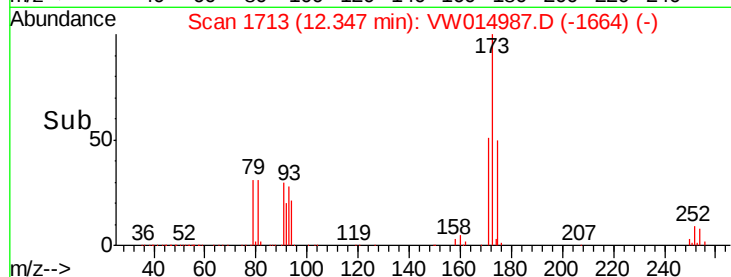
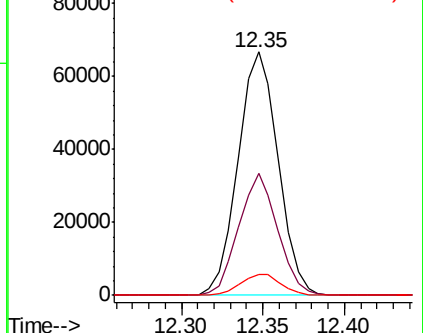
254 8.5 7.1 10.7



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#60

Isopropylbenzene

Concen: 29.417 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014987.D

Acq: 14 Feb 2020 09:34

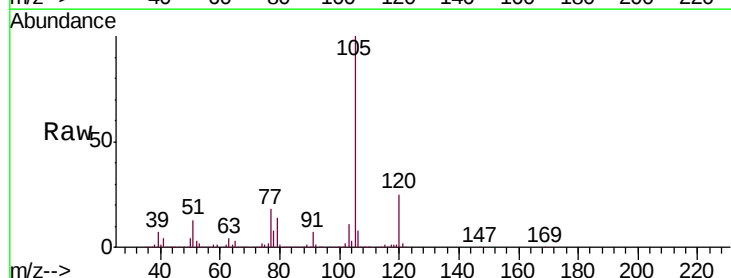
Tgt Ion:105 Resp: 1373329

Ion Ratio Lower Upper

105 100

120 25.0 20.1 30.1

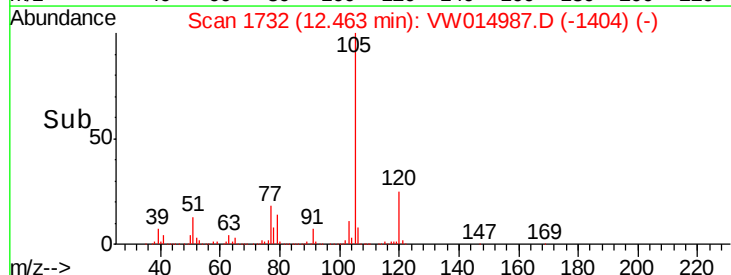
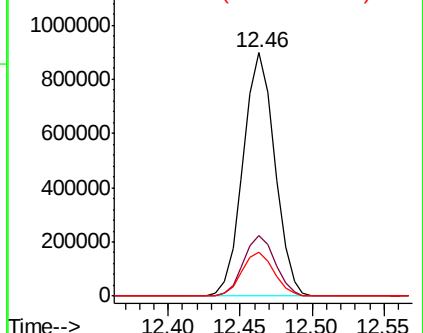
77 18.1 14.4 21.6

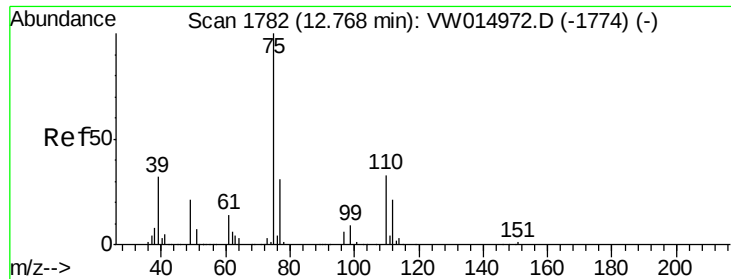


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V





#61

1,2,3-Trichloropropane

Concen: 24.473 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW014987.D

Acq: 14 Feb 2020 09:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD025309

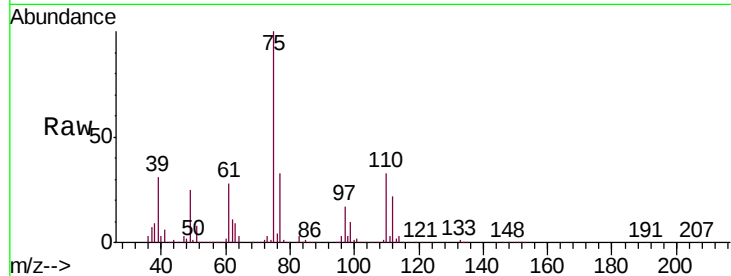
Tgt Ion: 75 Resp: 213886

Ion Ratio Lower Upper

75 100

77 32.1 25.8 38.6

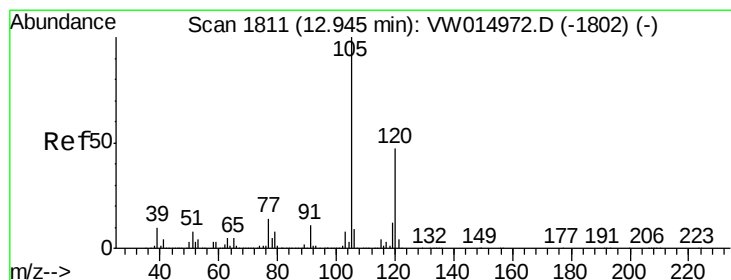
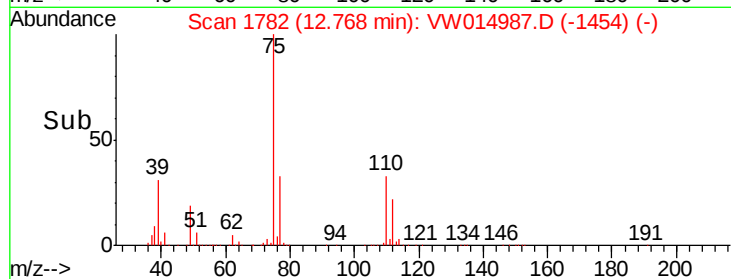
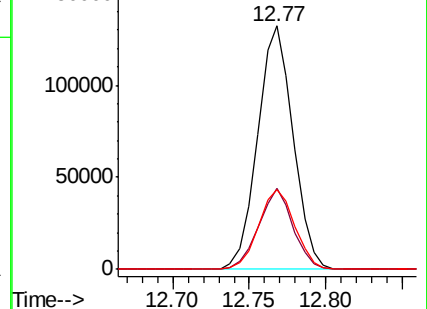
110 33.4 26.6 39.8



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

Ion 110.00 (109.70 to 110.70): V



#62

1,3,5-Trimethylbenzene

Concen: 30.487 ug/L

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW014987.D

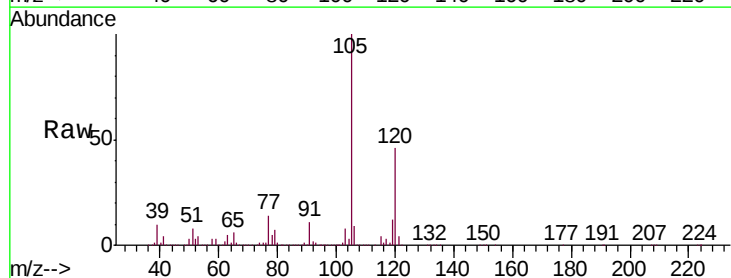
Acq: 14 Feb 2020 09:34

Tgt Ion: 105 Resp: 1134781

Ion Ratio Lower Upper

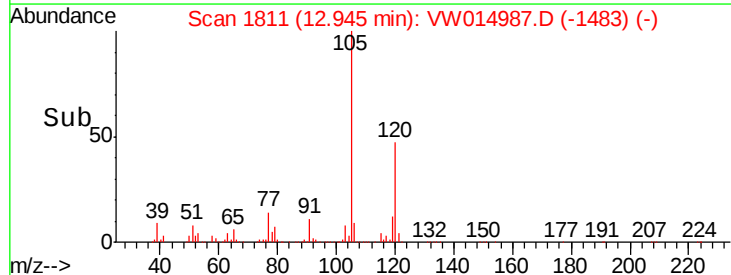
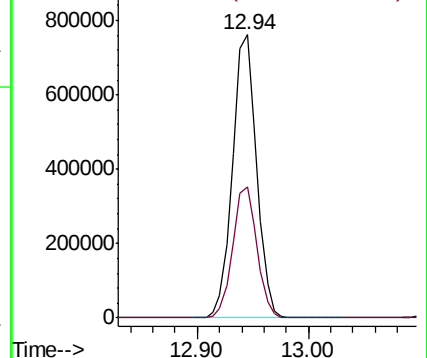
105 100

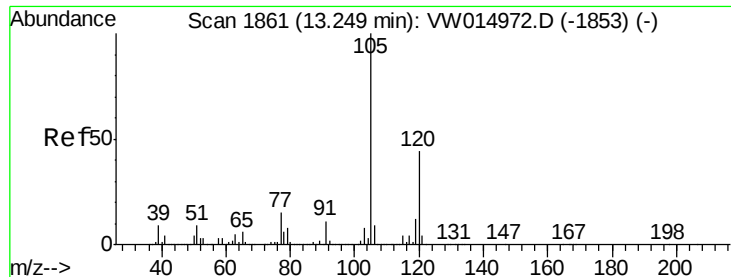
120 46.7 37.4 56.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

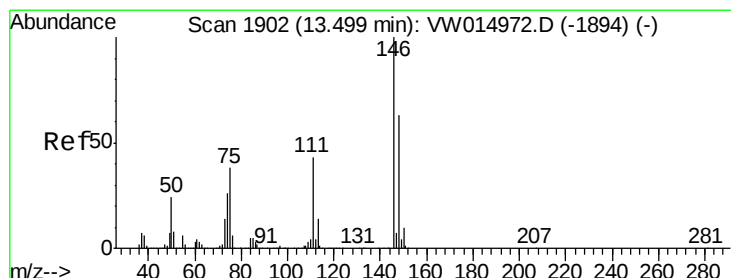
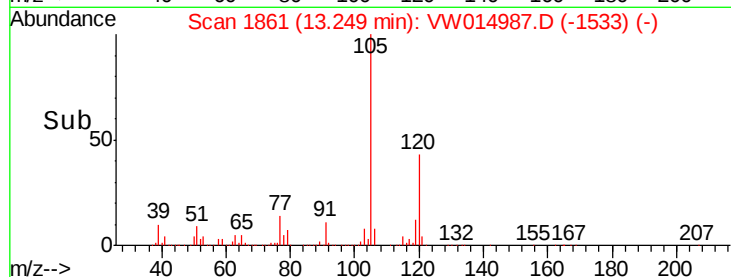
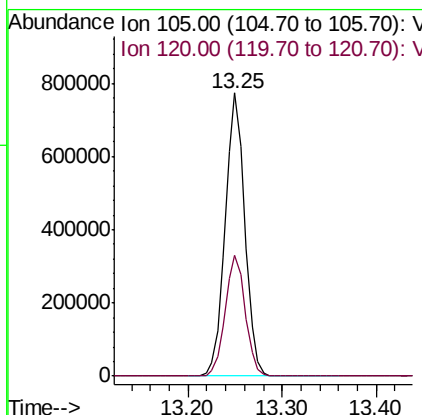
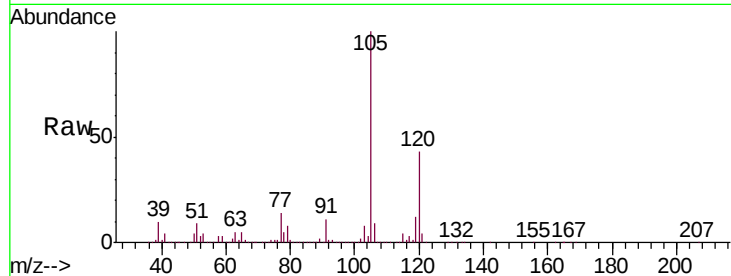




#63
 1,2,4-Trimethylbenzene
 Concen: 30.617 ug/L
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW014987.D
 Acq: 14 Feb 2020 09:34

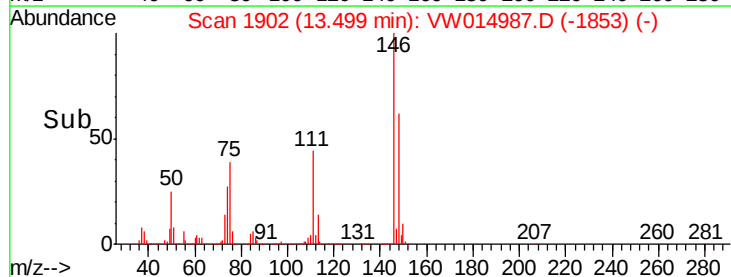
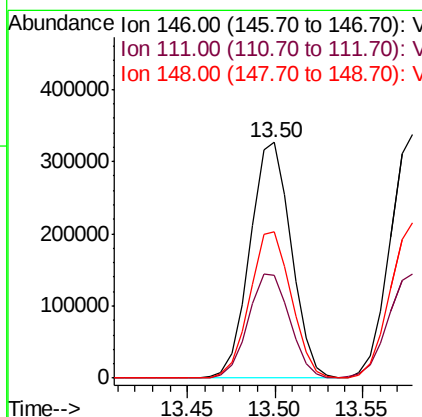
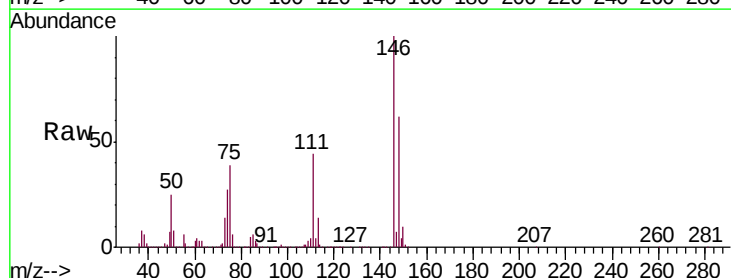
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025309

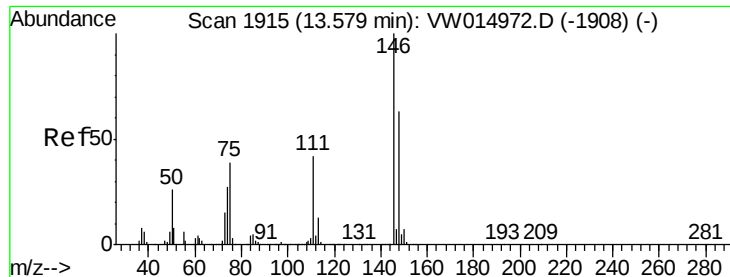
Tgt Ion:105 Resp: 1114928
 Ion Ratio Lower Upper
 105 100
 120 43.3 35.0 52.4



#64
 1,3-Dichlorobenzene
 Concen: 27.785 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW014987.D
 Acq: 14 Feb 2020 09:34

Tgt Ion:146 Resp: 534724
 Ion Ratio Lower Upper
 146 100
 111 43.9 30.2 56.0
 148 62.4 44.2 82.2

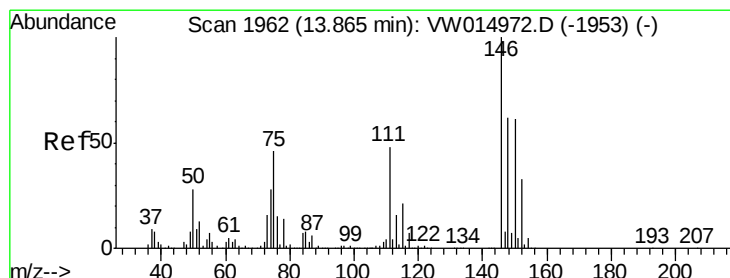
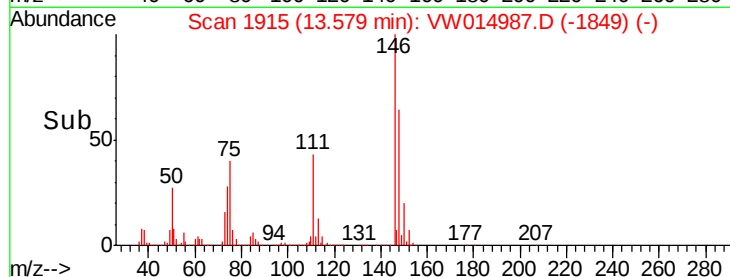
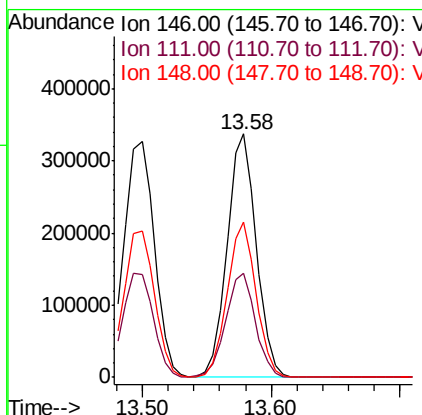
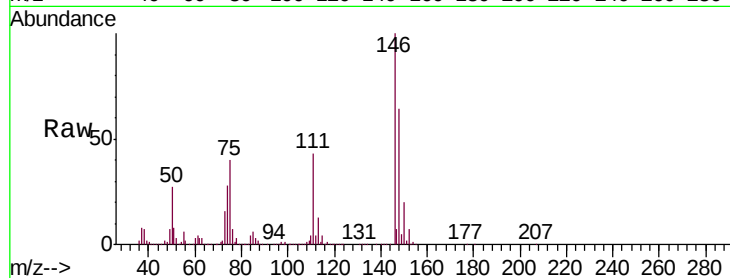




#65
 1,4-Dichlorobenzene
 Concen: 26.876 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW014987.D
 Acq: 14 Feb 2020 09:34

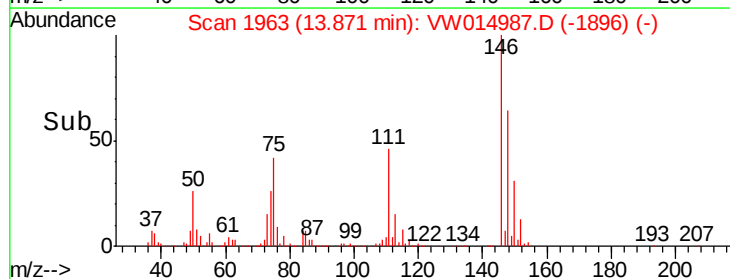
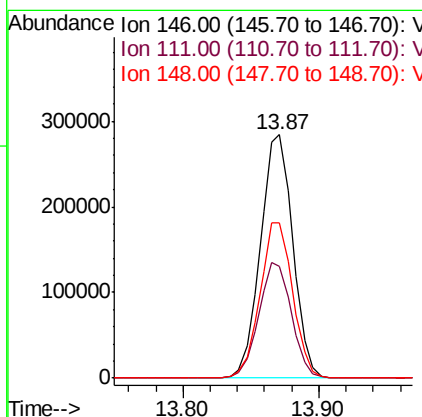
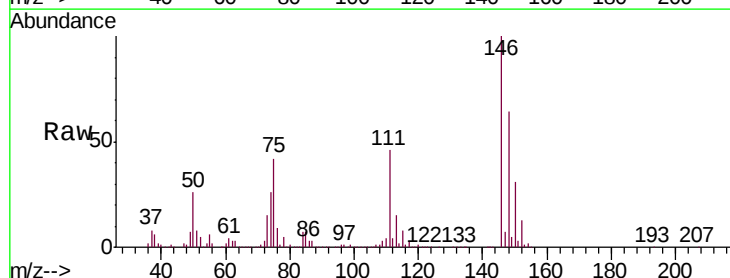
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025309

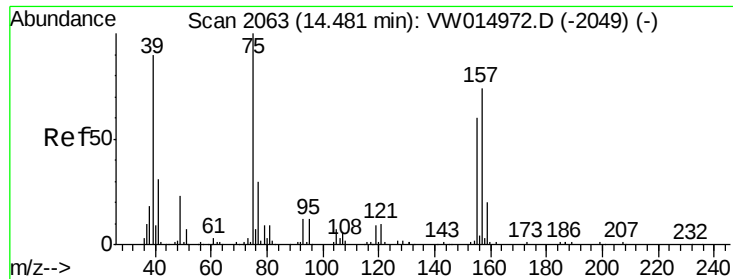
Tgt Ion:146 Resp: 533159
 Ion Ratio Lower Upper
 146 100
 111 43.0 29.5 54.9
 148 63.9 43.8 81.3



#67
 1,2-Dichlorobenzene
 Concen: 26.687 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW014987.D
 Acq: 14 Feb 2020 09:34

Tgt Ion:146 Resp: 475213
 Ion Ratio Lower Upper
 146 100
 111 46.1 38.0 57.0
 148 63.7 49.5 74.3

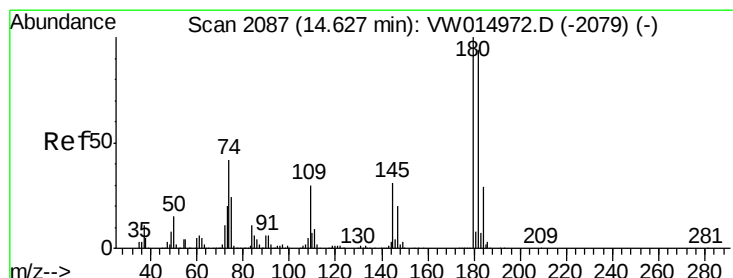
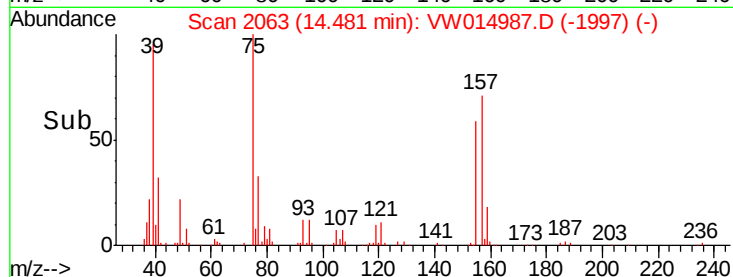
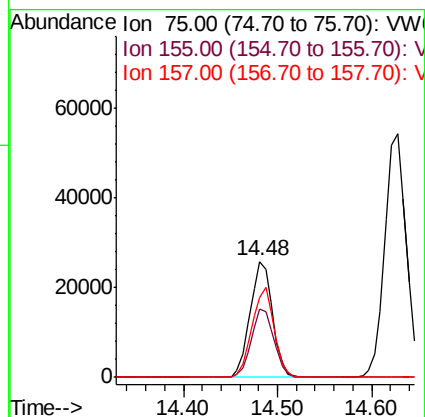
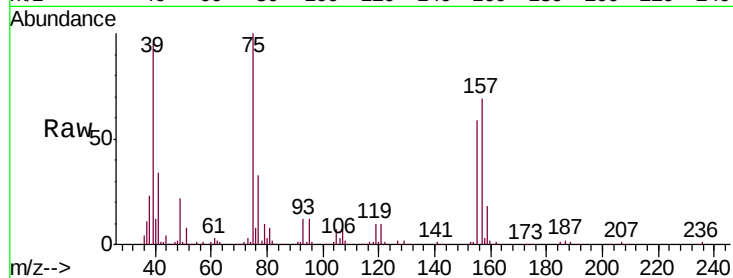




#68
 1,2-Dibromo-3-chloropropane
 Concen: 23.679 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW014987.D
 Acq: 14 Feb 2020 09:34

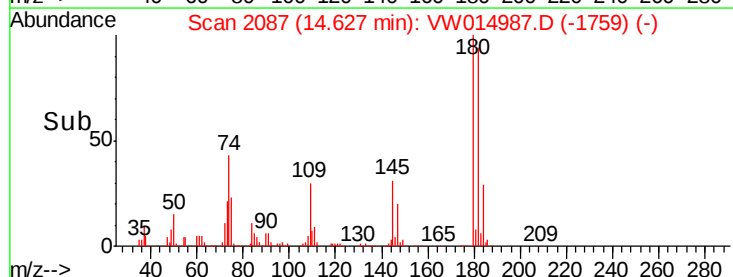
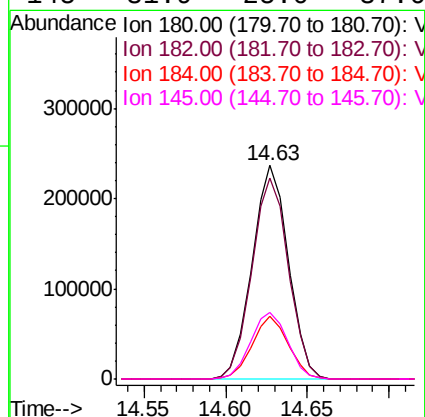
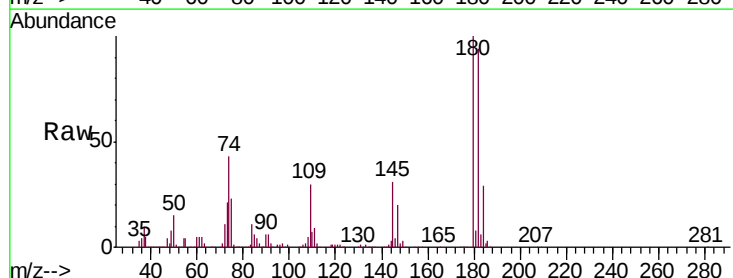
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025309

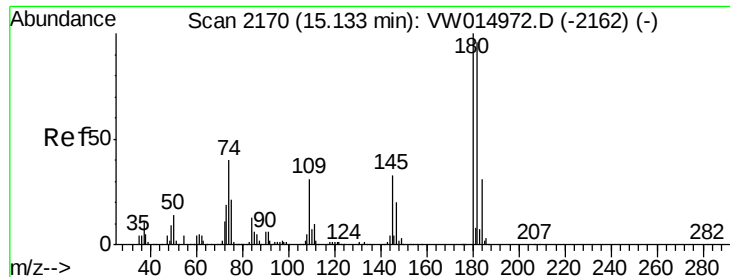
Tgt Ion: 75 Resp: 43277
 Ion Ratio Lower Upper
 75 100
 155 58.8 48.0 72.0
 157 69.3 59.4 89.0



#69
 1,3,5-Trichlorobenzene
 Concen: 28.459 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW014987.D
 Acq: 14 Feb 2020 09:34

Tgt Ion: 180 Resp: 367016
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.5 114.7
 184 29.2 24.2 36.2
 145 31.9 25.0 37.6

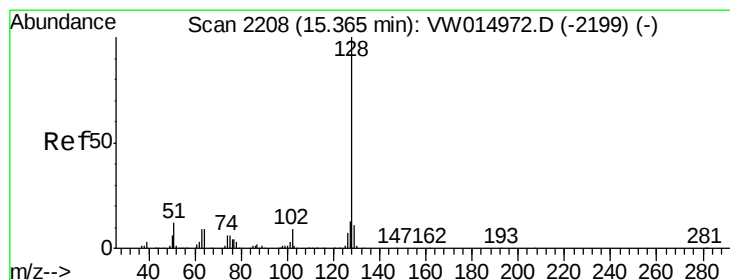
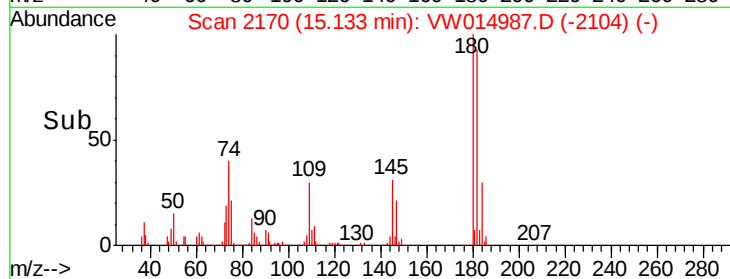
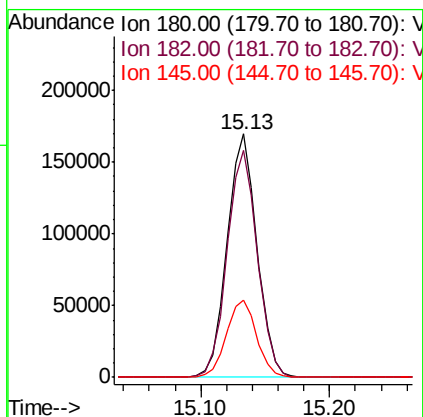
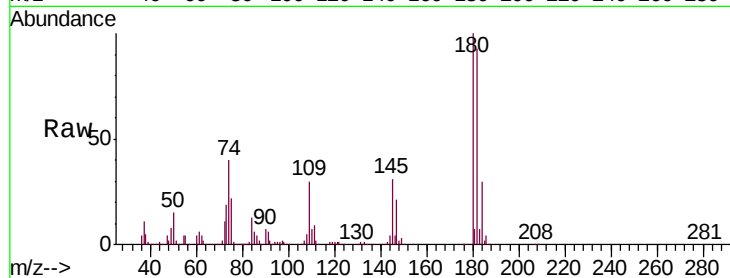




#70
1,2,4-trichlorobenzene
Concen: 28.445 ug/L
RT: 15.13 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VW014987.D
Acq: 14 Feb 2020 09:34

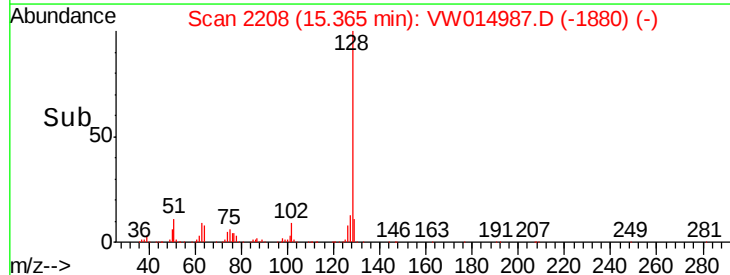
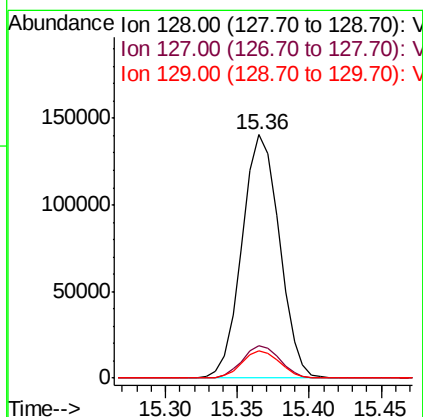
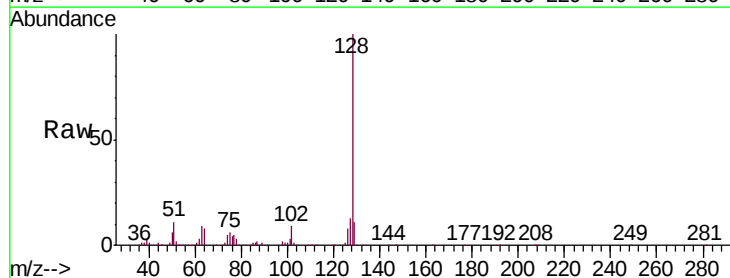
Instrument :
MSVOA_W
ClientSampleId :
VSTD025309

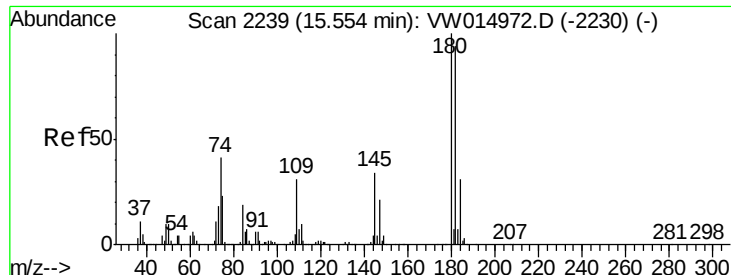
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	76.2	114.4
145	32.1	26.2	39.4



#71
Naphthalene
Concen: 25.558 ug/L
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW014987.D
Acq: 14 Feb 2020 09:34

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.5	15.7
129	11.1	8.6	12.8

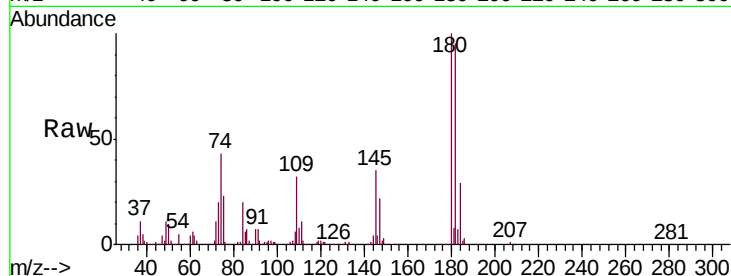




#72
 1,2,3-Trichlorobenzene
 Concen: 27.963 ug/L
 RT: 15.55 min Scan# 2239
 Delta R.T. 0.00 min
 Lab File: VW014987.D
 Acq: 14 Feb 2020 09:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025309

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	75.2	112.8
145	34.9	27.0	40.6



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

