

Data File : VW014971.D
Acq On : 13 Feb 2020 10:13
Operator : SY/VA
Sample : VSTD00502
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD005302

Quant Time: Feb 13 11:47:52 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Feb 13 11:44:58 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	738374	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	674929	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.55	152	288089	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	70980	7.00	ug/L	0.00
7) Chloroethane-d5	2.89	69	54631	6.18	ug/L	0.00
11) 1,1-Dichloroethene-d2	4.02	63	125958	7.04	ug/L	0.00
21) 2-Butanone-d5	7.21	46	203	0.05	ug/L	0.13
24) Chloroform-d	7.65	84	119329	7.20	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	67079	6.93	ug/L	0.00
32) Benzene-d6	8.27	84	226789	6.29	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.27	67	77524	6.98	ug/L	0.00
41) Toluene-d8	10.32	98	182159	5.48	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.57	79	27295	4.87	ug/L	0.00
47) 2-Hexanone-d5	10.92	63	20525	5.34	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	12.69	84	54706	4.54	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.85	152	52586	5.08	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	38749	3.358 ug/L	95
3) Chloromethane	2.21	50	70766	5.613 ug/L	99
5) Vinyl chloride	2.36	62	94735	7.142 ug/L	96
6) Bromomethane	2.78	94	42169	5.464 ug/L	96
8) Chloroethane	2.93	64	49753	6.502 ug/L	100
9) Trichlorofluoromethane	3.26	101	34856	2.239 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	4.07	101	58389	6.041 ug/L	98
12) 1,1-Dichloroethene	4.04	96	54024	5.665 ug/L	98
13) Acetone	4.12	43	39316	7.626 ug/L	95
14) Carbon disulfide	4.39	76	202137	6.276 ug/L	98
15) Methyl Acetate	4.67	43	33242	4.172 ug/L	99
16) Methylene chloride	4.92	84	75193	6.096 ug/L	98
17) trans-1,2-Dichloroethene	5.43	96	54613	5.114 ug/L	93
18) Methyl tert-butyl Ether	5.43	73	63860	2.165 ug/L	# 87
19) 1,1-Dichloroethane	6.21	63	125922	6.906 ug/L	100
20) cis-1,2-Dichloroethene	7.17	96	53983	4.602 ug/L	100
22) 2-Butanone	7.17	43	42322	6.557 ug/L	100
23) Bromochloromethane	7.51	128	23240	4.482 ug/L	92
25) Chloroform	7.68	83	114939	6.371 ug/L	99
27) 1,2-Dichloroethane	8.40	62	81312	6.357 ug/L	100
29) Cyclohexane	7.96	56	96729	5.134 ug/L	100
30) 1,1,1-Trichloroethane	7.87	97	86676	5.724 ug/L	98
31) Carbon tetrachloride	8.07	117	77107	5.774 ug/L	99
33) Benzene	8.32	78	259367	6.029 ug/L	100
34) Trichloroethene	9.09	95	60558	5.516 ug/L	97
35) Methylcyclohexane	9.34	83	96552	4.772 ug/L	97
37) 1,2-Dichloropropane	9.37	63	72007	6.643 ug/L	99
38) Bromodichloromethane	9.65	83	77992	5.621 ug/L	100
39) cis-1,3-Dichloropropene	10.07	75	84007	4.575 ug/L	99
40) 4-Methyl-2-pentanone	10.21	43	82418	7.003 ug/L	97

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Feb 13 11:44:58 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.39	91	237048	5.089	ug/L	98
44) trans-1,3-Dichloropropene	10.60	75	68964	4.415	ug/L	99
45) 1,1,2-Trichloroethane	10.79	97	41006	4.392	ug/L	98
46) Tetrachloroethene	10.86	164	39559	4.684	ug/L	94
48) 2-Hexanone	10.97	43	54374	6.024	ug/L	99
49) Dibromochloromethane	11.13	129	42554	4.217	ug/L	98
50) 1,2-Dibromoethane	11.23	107	36517	3.872	ug/L	99
51) Chlorobenzene	11.66	112	144007	4.879	ug/L	98
52) Ethylbenzene	11.73	91	250752	4.802	ug/L	100
53) m,p-Xylene	11.84	106	88142	4.344	ug/L	99
54) o-Xylene	12.16	106	79161	4.072	ug/L	93
55) Styrene	12.18	104	138570	4.072	ug/L	93
57) 1,1,2,2-Tetrachloroethane	12.71	83	54476	4.162	ug/L	99
59) Bromoform	12.35	173	21033	3.453	ug/L	99
60) Isopropylbenzene	12.46	105	216355	4.714	ug/L	100
61) 1,2,3-Trichloropropane	12.77	75	42384	4.731	ug/L	98
62) 1,3,5-Trimethylbenzene	12.94	105	158930	4.183	ug/L	100
63) 1,2,4-Trimethylbenzene	13.25	105	155446	4.135	ug/L	100
64) 1,3-Dichlorobenzene	13.50	146	92369	4.537	ug/L	98
65) 1,4-Dichlorobenzene	13.58	146	98527	4.821	ug/L	98
67) 1,2-Dichlorobenzene	13.87	146	85350	4.529	ug/L	98
68) 1,2-Dibromo-3-chloropropan	14.49	75	7991	3.535	ug/L #	75
69) 1,3,5-Trichlorobenzene	14.63	180	61069	4.366	ug/L	99
70) 1,2,4-trichlorobenzene	15.13	180	40557	3.182	ug/L	99
71) Naphthalene	15.36	128	35704	1.005	ug/L	98
72) 1,2,3-Trichlorobenzene	15.56	180	37813	3.180	ug/L	99

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

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ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_W
ClientSampleId :
VSTD005302

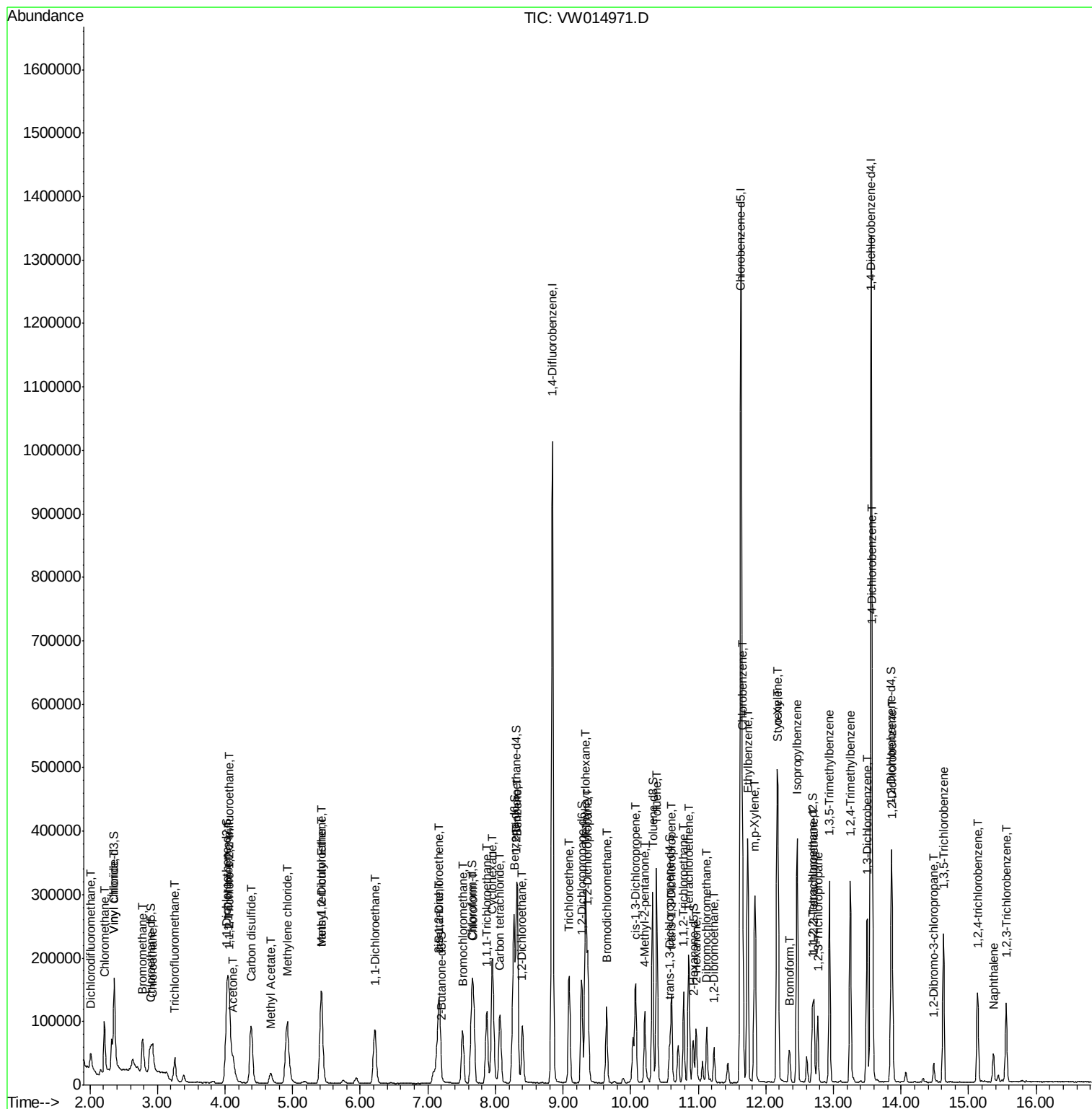
Quant Time: Feb 13 11:47:52 2020

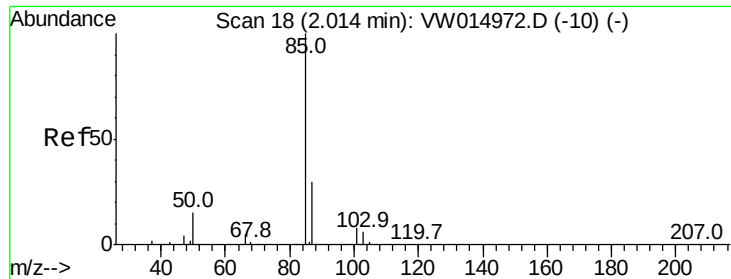
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Quant Title : SFAM01.0

QLast Update : Thu Feb 13 11:44:58 2020

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 3.358 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW014971.D

Acq: 13 Feb 2020 10:13

Instrument :

MSVOA_W

ClientSampleId :

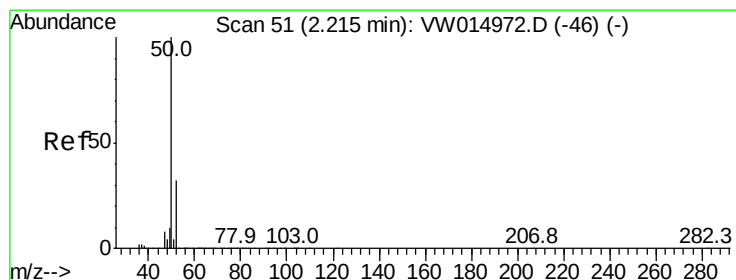
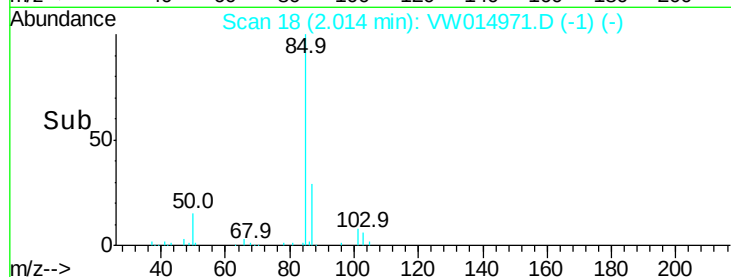
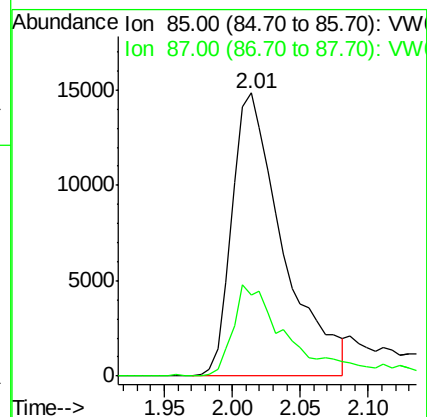
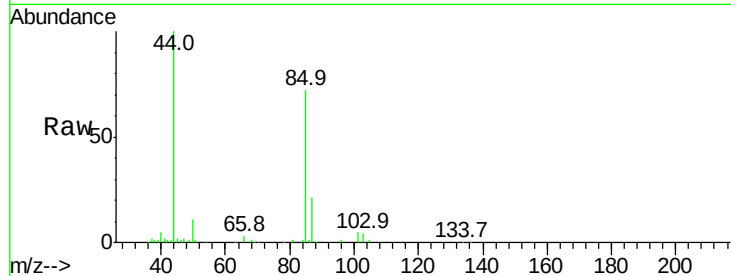
VSTD005302

Tgt Ion: 85 Resp: 38749

Ion Ratio Lower Upper

85 100

87 29.5 21.5 32.3



#3

Chloromethane

Concen: 5.613 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW014971.D

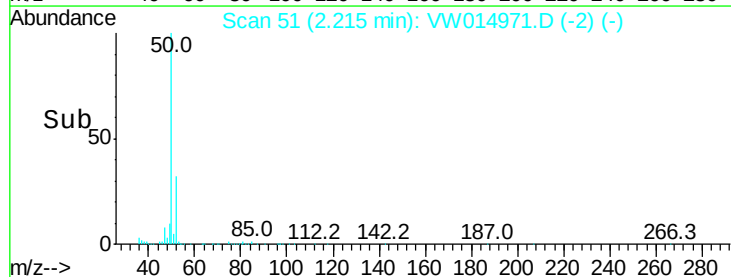
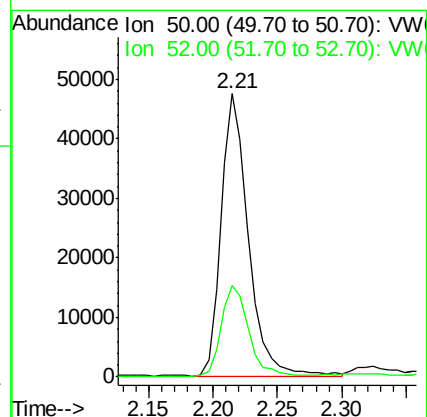
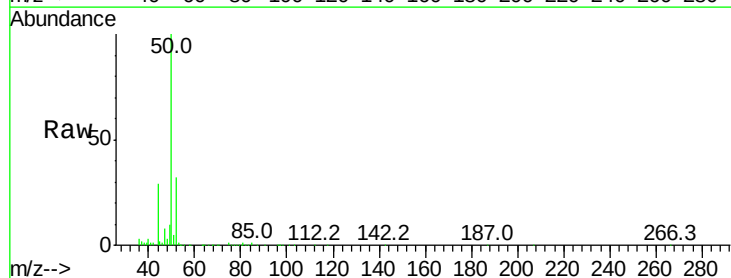
Acq: 13 Feb 2020 10:13

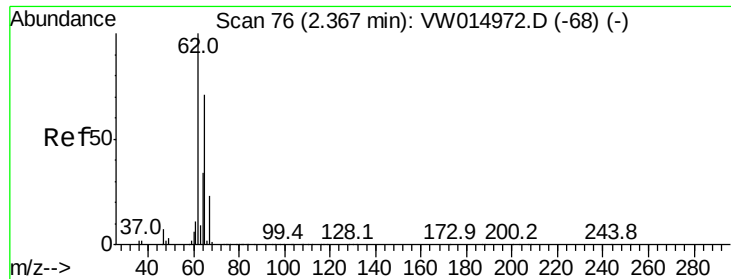
Tgt Ion: 50 Resp: 70766

Ion Ratio Lower Upper

50 100

52 32.1 22.3 41.3





#5

Vinyl chloride

Concen: 7.142 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW014971.D

Acq: 13 Feb 2020 10:13

Instrument :

MSVOA_W

ClientSampleId :

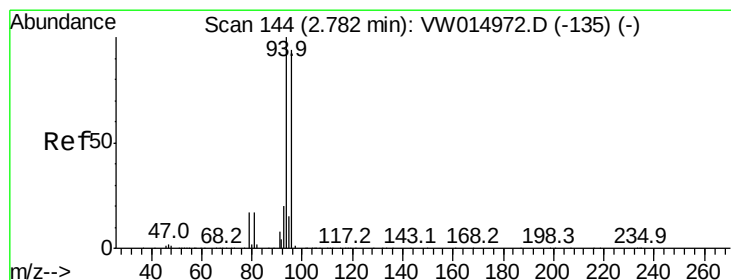
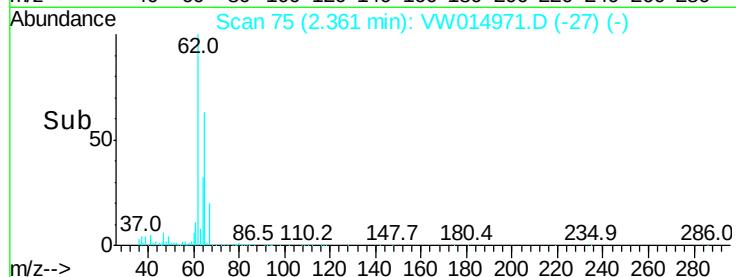
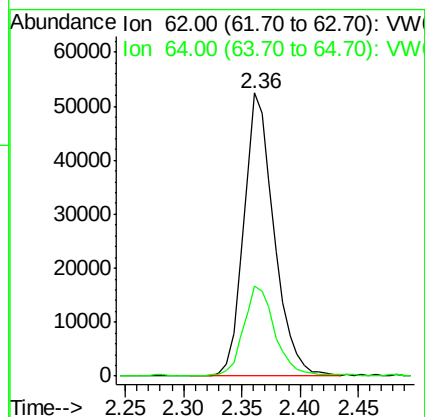
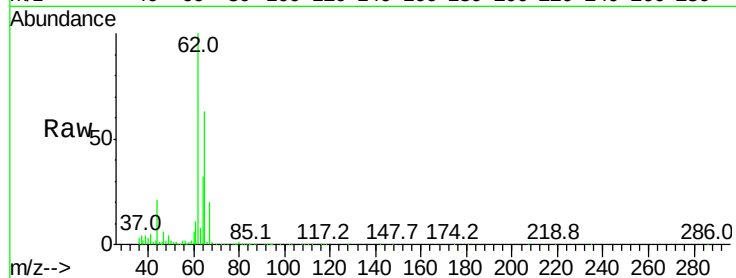
VSTD005302

Tgt Ion: 62 Resp: 94735

Ion Ratio Lower Upper

62 100

64 31.6 23.6 43.8



#6

Bromomethane

Concen: 5.464 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW014971.D

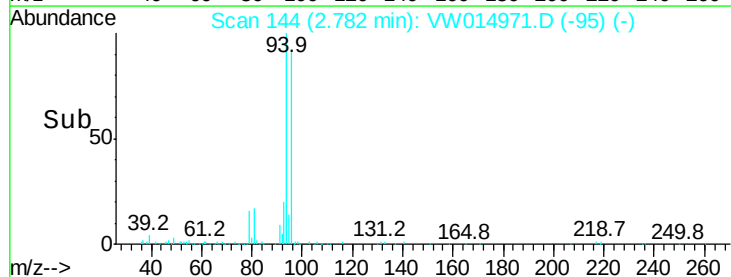
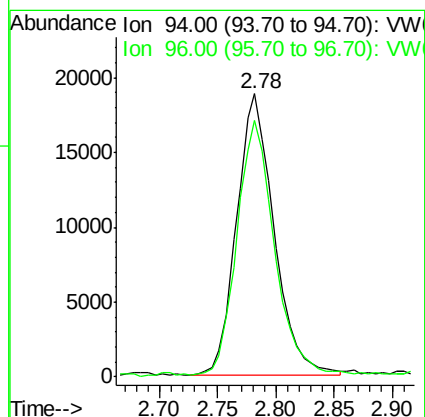
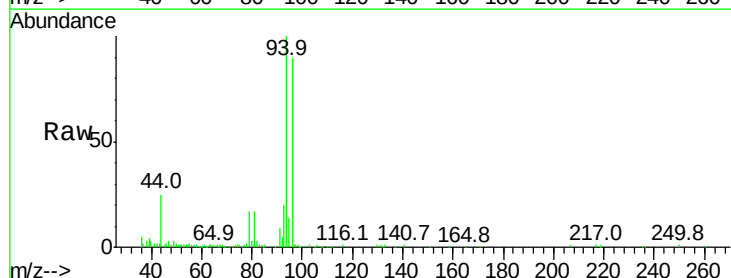
Acq: 13 Feb 2020 10:13

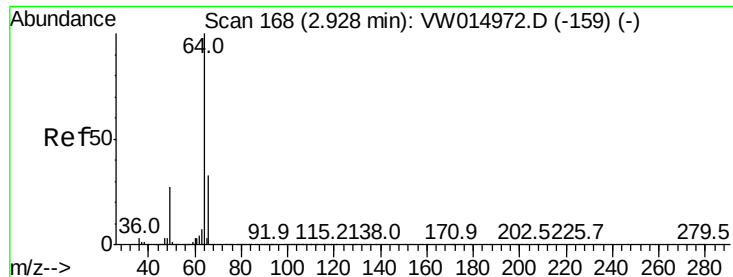
Tgt Ion: 94 Resp: 42169

Ion Ratio Lower Upper

94 100

96 90.4 65.8 122.2

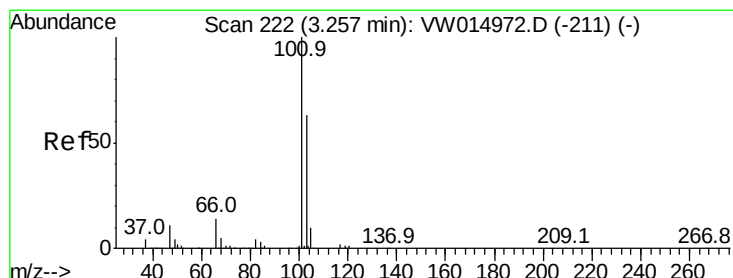
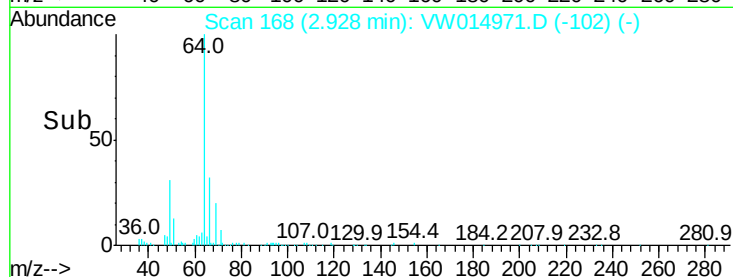
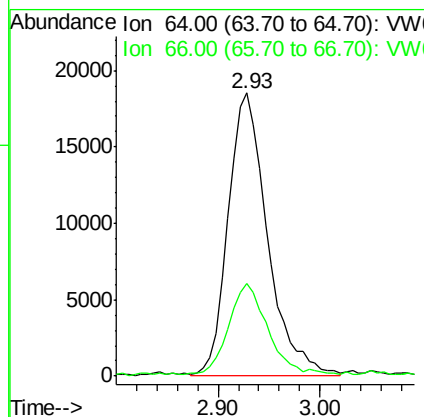
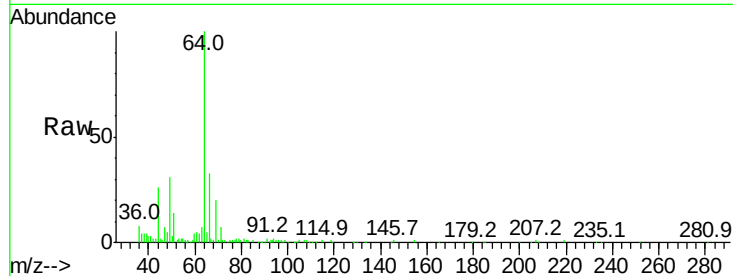




#8
Chloroethane
Concen: 6.502 ug/L
RT: 2.93 min Scan# 168
Delta R.T. -0.00 min
Lab File: VW014971.D
Acq: 13 Feb 2020 10:13

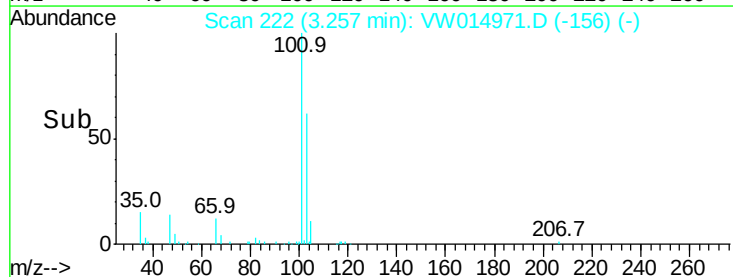
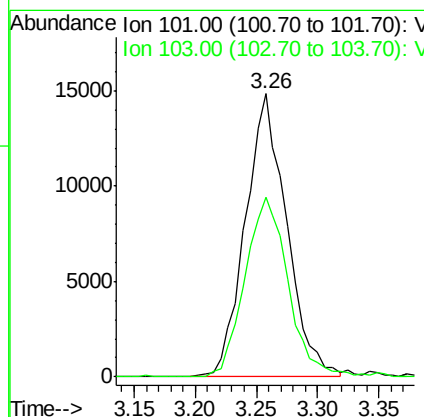
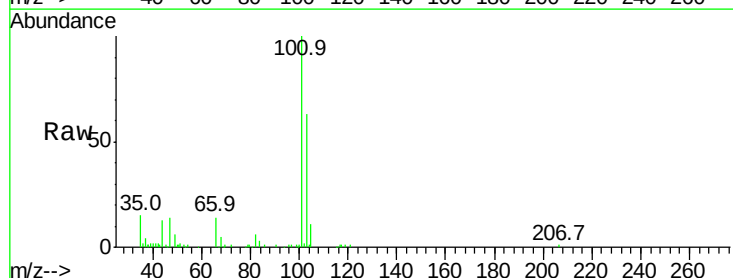
Instrument :
MSVOA_W
ClientSampleId :
VSTD005302

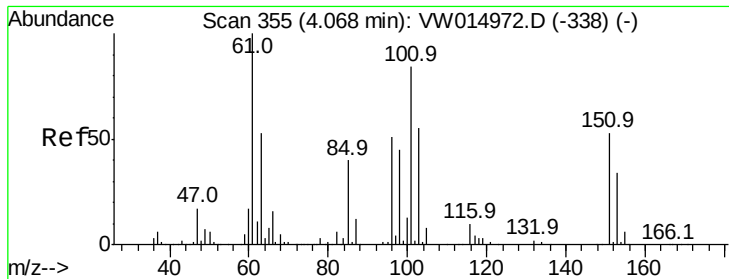
Tgt Ion: 64 Resp: 49753
Ion Ratio Lower Upper
64 100
66 32.7 23.1 42.9



#9
Trichlorofluoromethane
Concen: 2.239 ug/L
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
Lab File: VW014971.D
Acq: 13 Feb 2020 10:13

Tgt Ion: 101 Resp: 34856
Ion Ratio Lower Upper
101 100
103 66.3 51.5 77.3





#10

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

Concen: 6.041 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW014971.D

Acq: 13 Feb 2020 10:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD005302

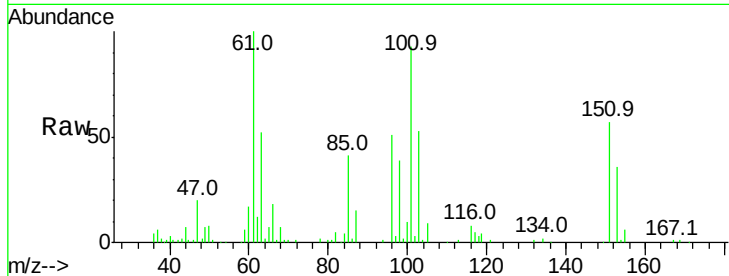
Tgt Ion: 101 Resp: 58389

Ion Ratio Lower Upper

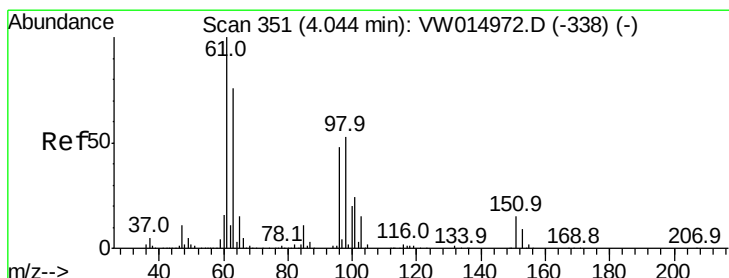
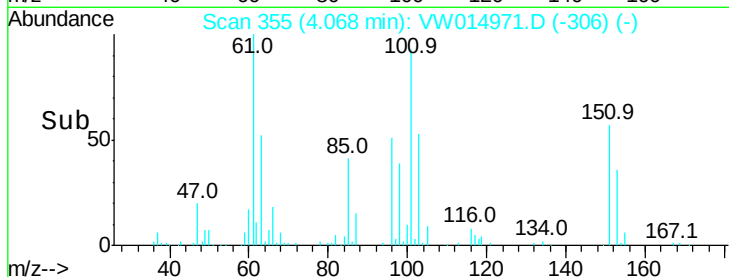
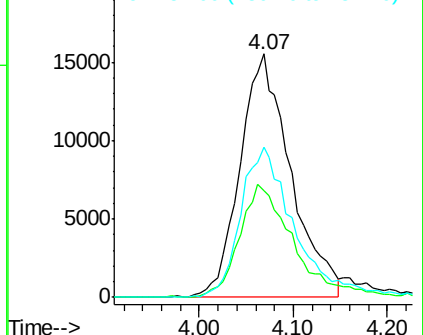
101 100

85 44.5 36.5 54.7

151 64.4 50.2 75.4



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VV
Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.665 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW014971.D

Acq: 13 Feb 2020 10:13

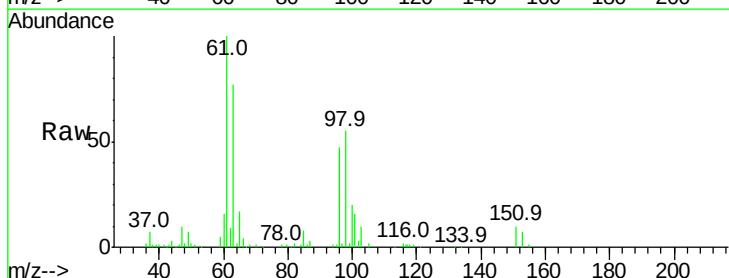
Tgt Ion: 96 Resp: 54024

Ion Ratio Lower Upper

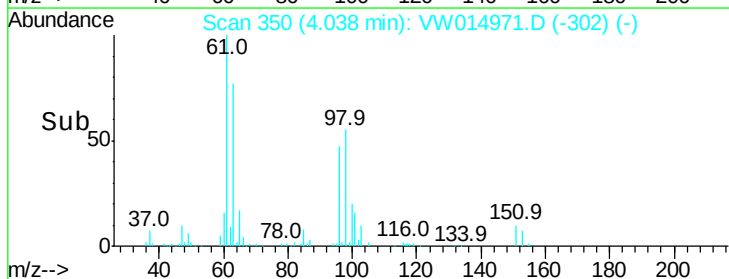
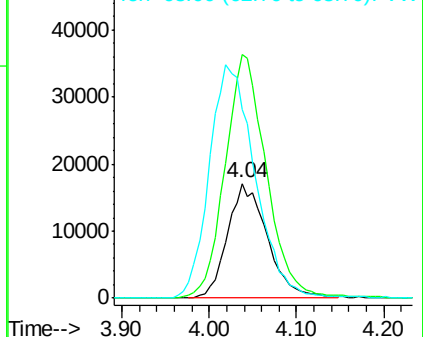
96 100

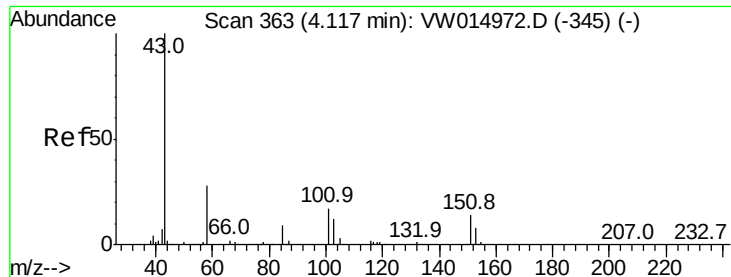
61 212.5 147.0 273.0

63 164.2 113.4 210.6



Abundance Ion 96.00 (95.70 to 96.70): VV
Ion 61.00 (60.70 to 61.70): VV
Ion 63.00 (62.70 to 63.70): VV

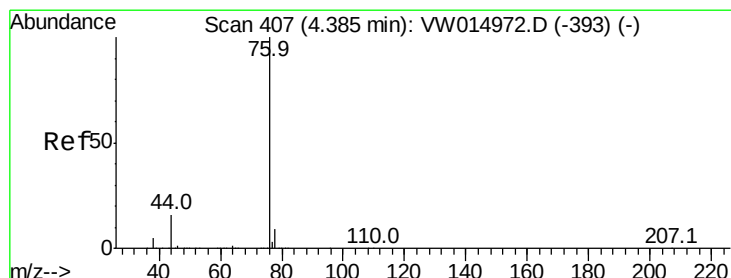
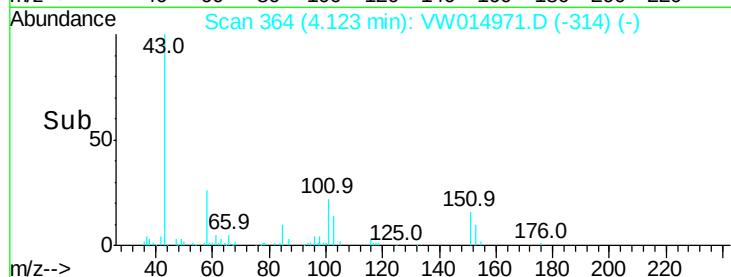
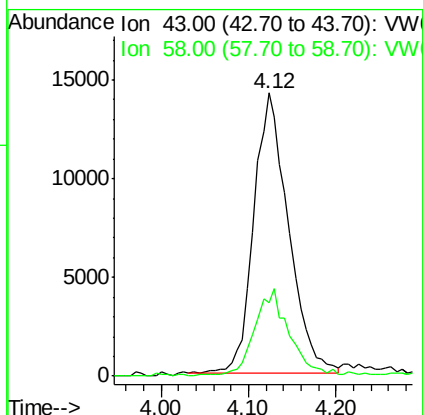
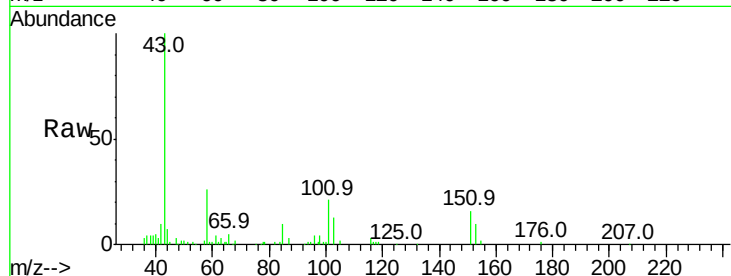




#13
Acetone
Concen: 7.626 ug/L
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW014971.D
Acq: 13 Feb 2020 10:13

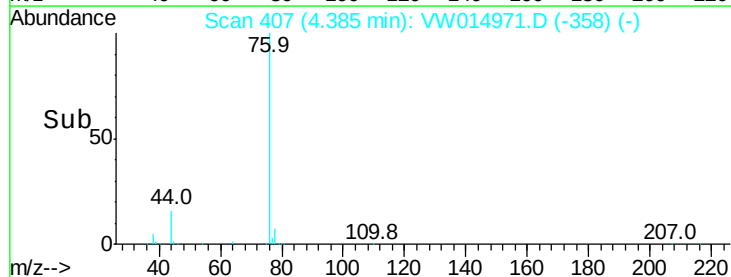
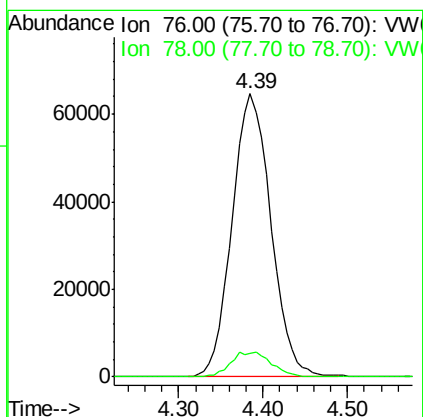
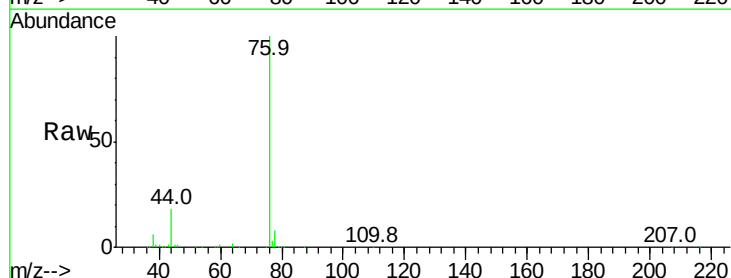
Instrument :
MSVOA_W
ClientSampleId :
VSTD005302

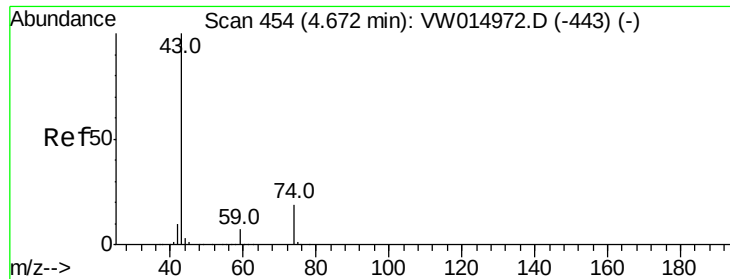
Tgt Ion: 43 Resp: 39316
Ion Ratio Lower Upper
43 100
58 29.7 0.0 54.6



#14
Carbon disulfide
Concen: 6.276 ug/L
RT: 4.39 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW014971.D
Acq: 13 Feb 2020 10:13

Tgt Ion: 76 Resp: 202137
Ion Ratio Lower Upper
76 100
78 8.1 7.2 10.8

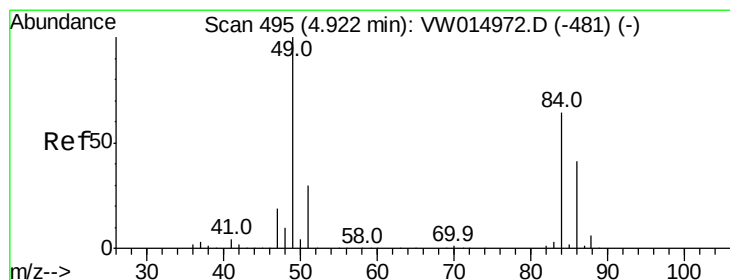
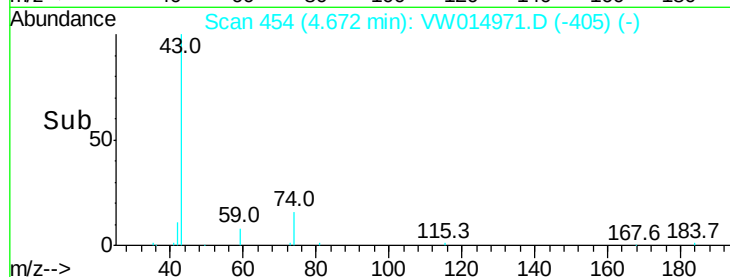
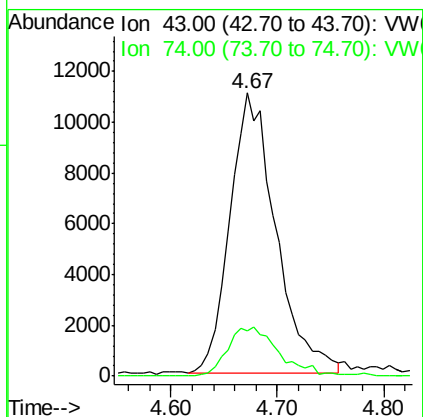
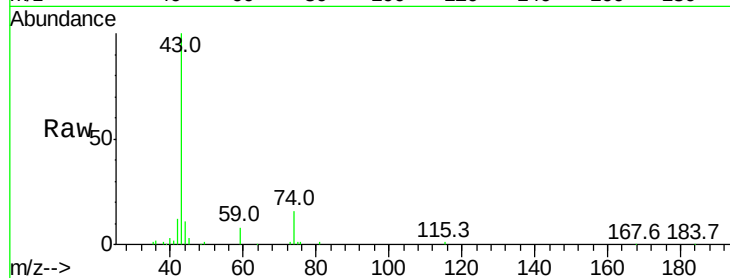




#15
Methyl Acetate
Concen: 4.172 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW014971.D
Acq: 13 Feb 2020 10:13

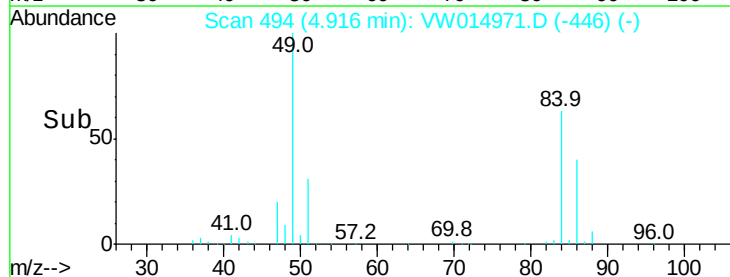
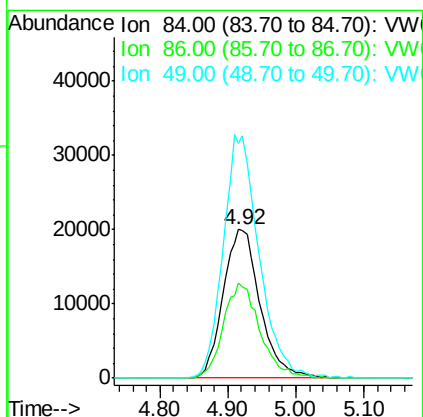
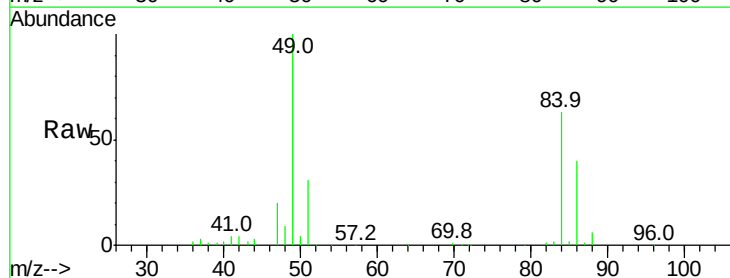
Instrument :
MSVOA_W
ClientSampleId :
VSTD005302

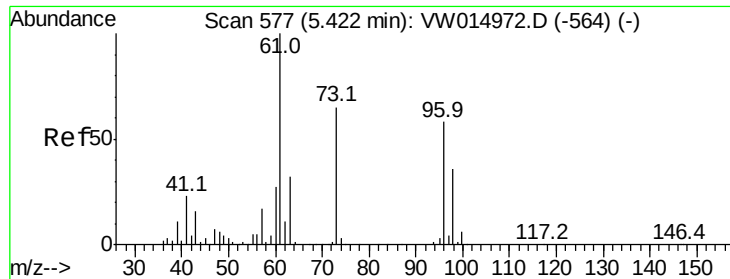
Tgt Ion: 43 Resp: 33242
Ion Ratio Lower Upper
43 100
74 18.5 14.6 21.8



#16
Methylene chloride
Concen: 6.096 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW014971.D
Acq: 13 Feb 2020 10:13

Tgt Ion: 84 Resp: 75193
Ion Ratio Lower Upper
84 100
86 63.9 44.4 82.4
49 158.2 109.0 202.4





#17

trans-1,2-Dichloroethene

Concen: 5.114 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW014971.D

Acq: 13 Feb 2020 10:13

Instrument :

MSVOA_W

ClientSampled :

VSTD005302

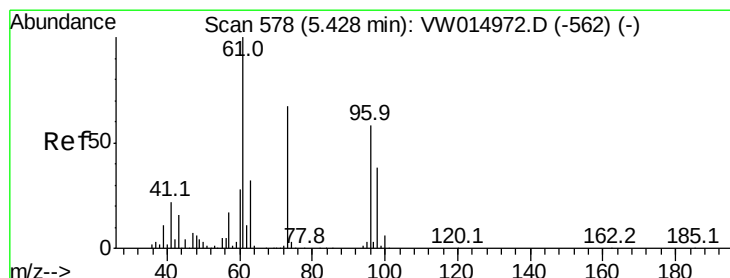
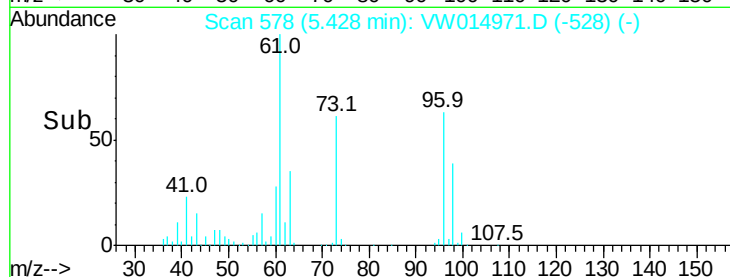
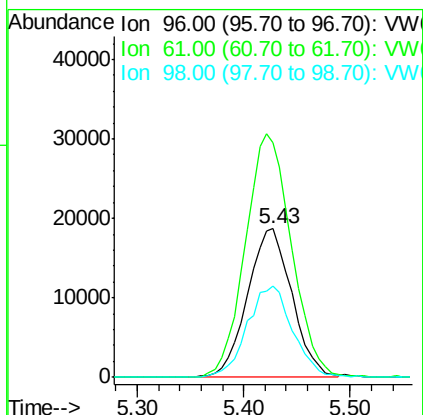
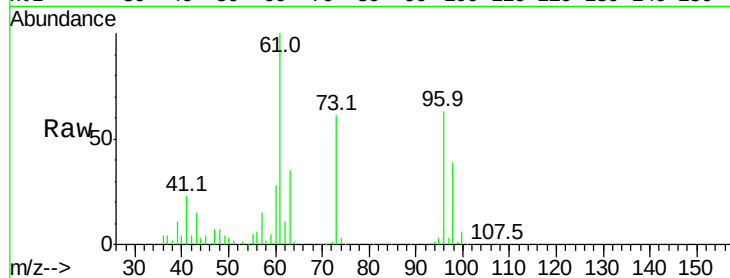
Tgt Ion: 96 Resp: 54613

Ion Ratio Lower Upper

96 100

61 158.4 120.1 223.1

98 61.8 43.8 81.3



#18

Methyl tert-butyl Ether

Concen: 2.165 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW014971.D

Acq: 13 Feb 2020 10:13

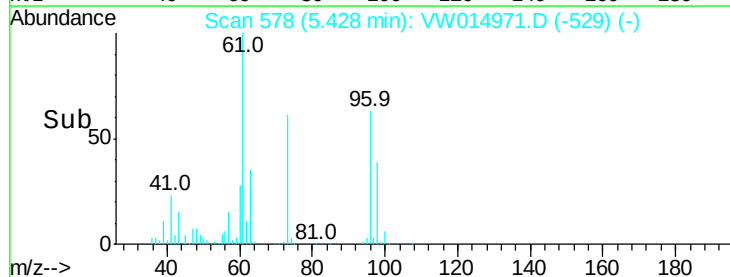
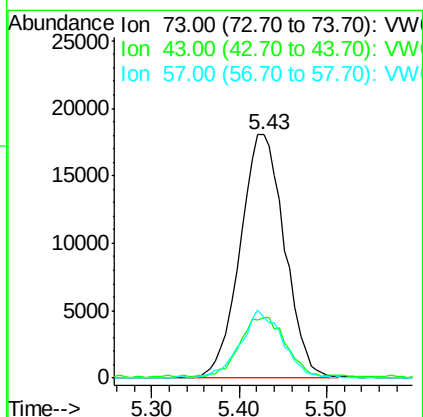
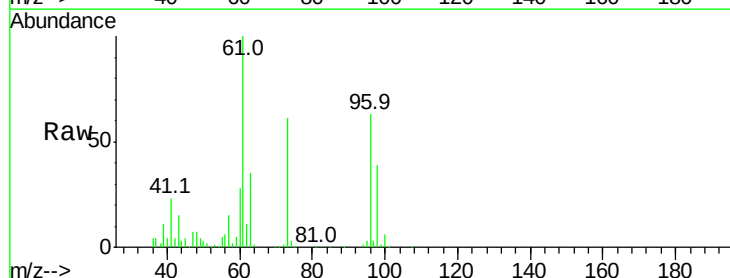
Tgt Ion: 73 Resp: 63860

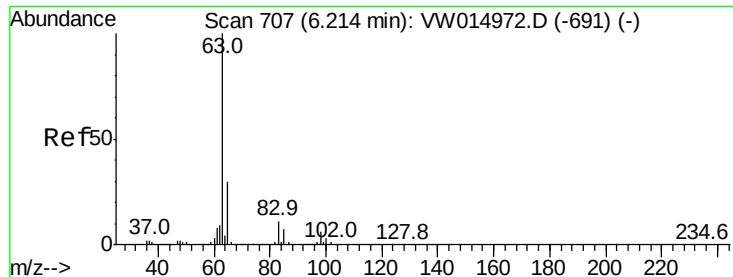
Ion Ratio Lower Upper

73 100

43 11.3 19.6 29.4#

57 26.3 21.0 31.4

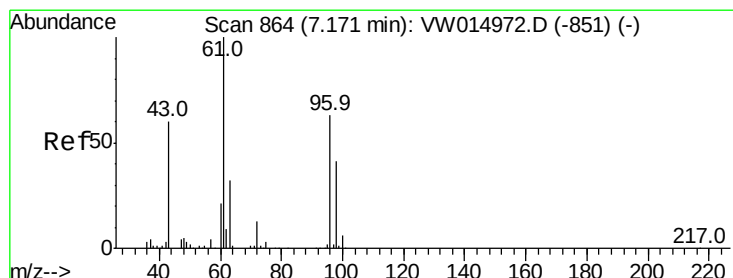
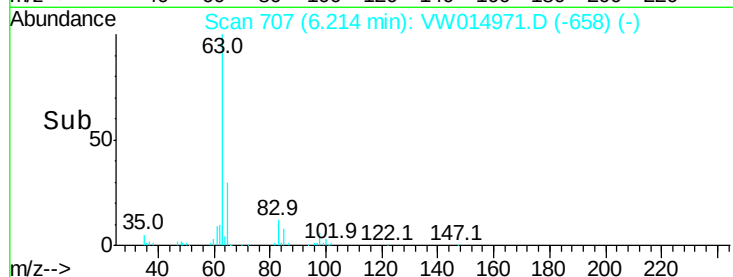
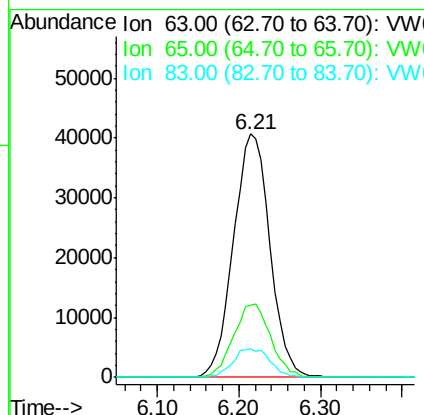
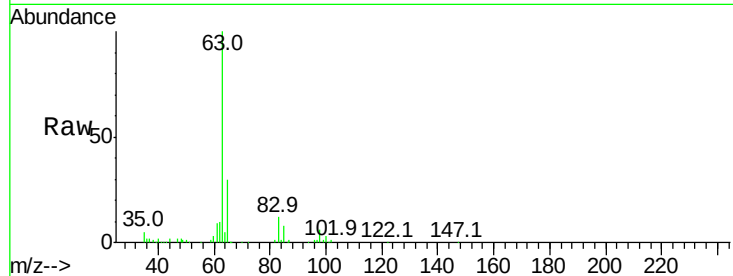




#19
 1,1-Dichloroethane
 Concen: 6.906 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW014971.D
 Acq: 13 Feb 2020 10:13

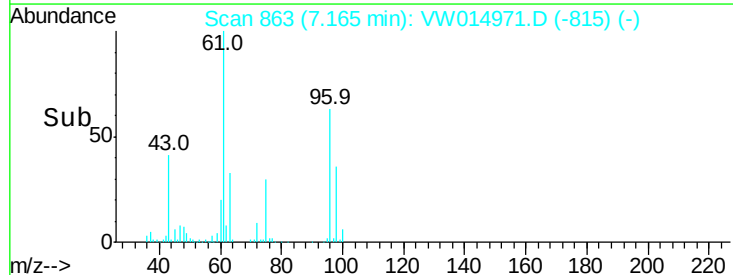
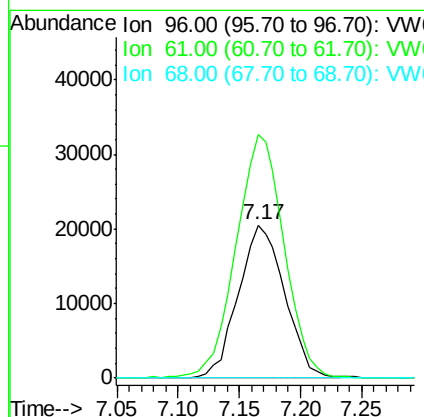
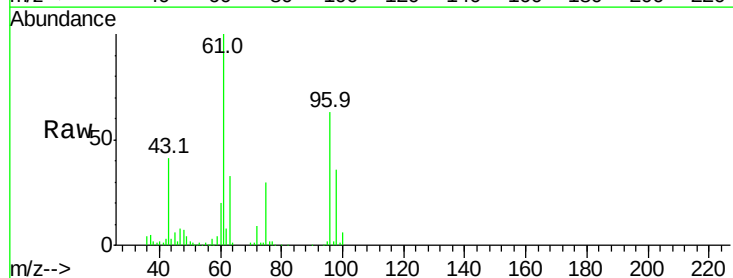
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD005302

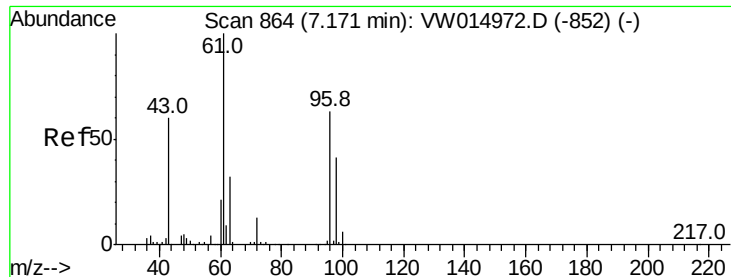
Tgt Ion: 63 Resp: 125922
 Ion Ratio Lower Upper
 63 100
 65 29.7 20.9 38.7
 83 11.6 7.8 14.6



#20
 cis-1,2-Dichloroethene
 Concen: 4.602 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW014971.D
 Acq: 13 Feb 2020 10:13

Tgt Ion: 96 Resp: 53983
 Ion Ratio Lower Upper
 96 100
 61 159.1 111.5 207.1
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 6.557 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW014971.D

Acq: 13 Feb 2020 10:13

Instrument :

MSVOA_W

ClientSampled :

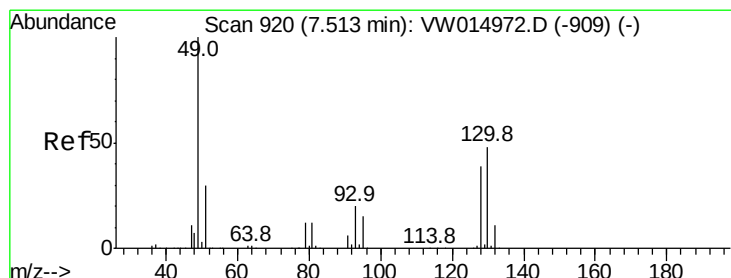
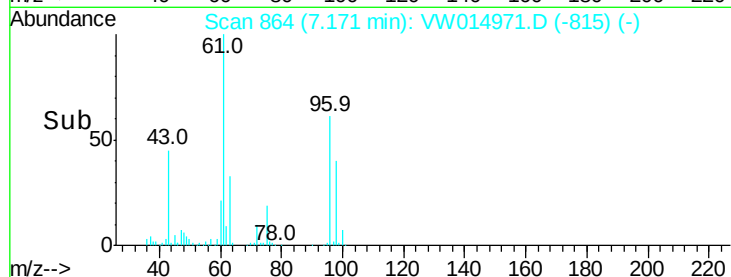
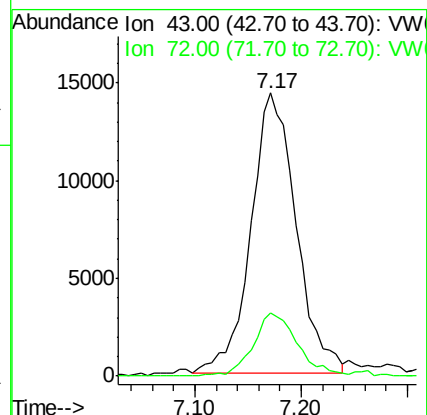
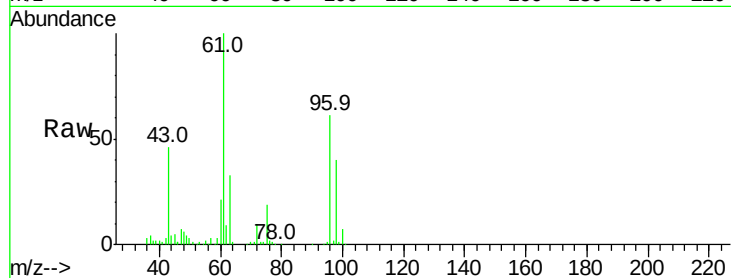
VSTD005302

Tgt Ion: 43 Resp: 42322

Ion Ratio Lower Upper

43 100

72 22.1 11.1 33.1



#23

Bromochloromethane

Concen: 4.482 ug/L

RT: 7.51 min Scan# 920

Delta R.T. -0.00 min

Lab File: VW014971.D

Acq: 13 Feb 2020 10:13

Tgt Ion: 128 Resp: 23240

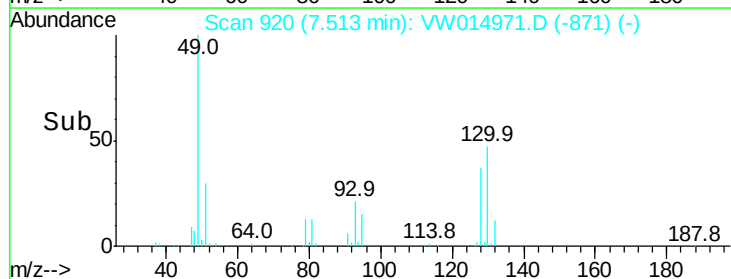
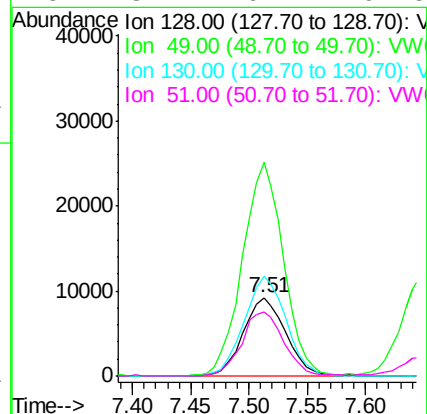
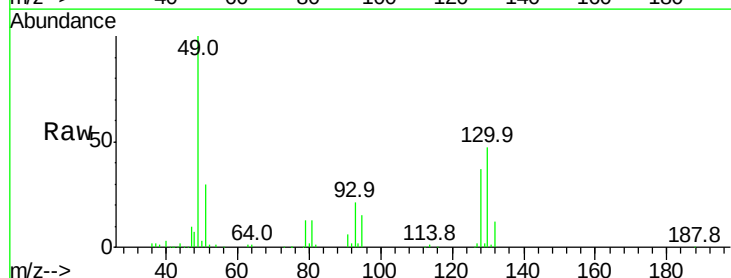
Ion Ratio Lower Upper

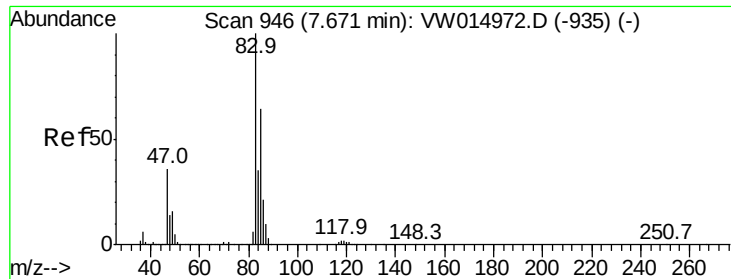
128 100

49 273.3 179.0 332.4

130 127.3 85.5 158.7

51 81.4 61.7 92.5





#25

Chloroform

Concen: 6.371 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.01 min

Lab File: VW014971.D

Acq: 13 Feb 2020 10:13

Instrument :

MSVOA_W

ClientSampleId :

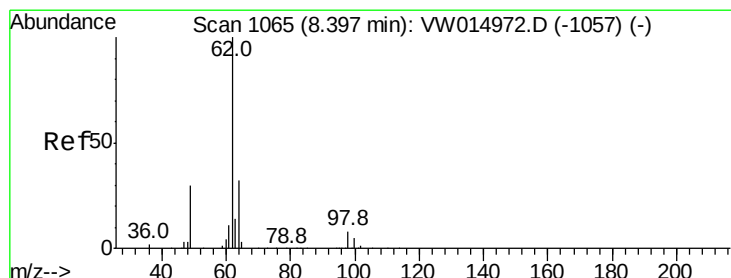
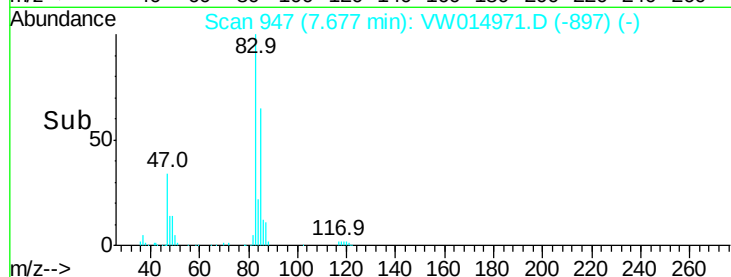
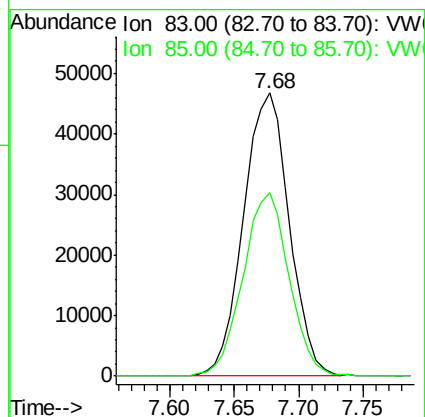
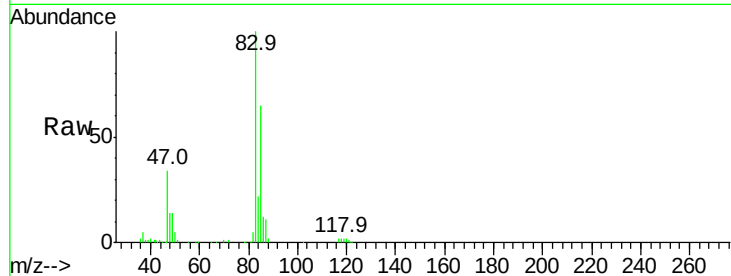
VSTD005302

Tgt Ion: 83 Resp: 114939

Ion Ratio Lower Upper

83 100

85 64.8 45.1 83.7



#27

1,2-Dichloroethane

Concen: 6.357 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW014971.D

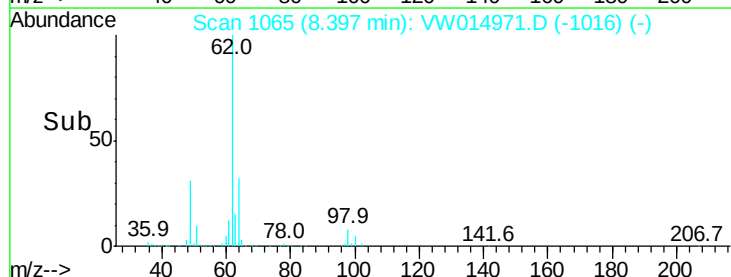
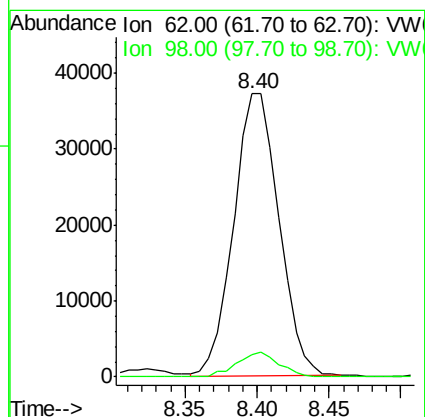
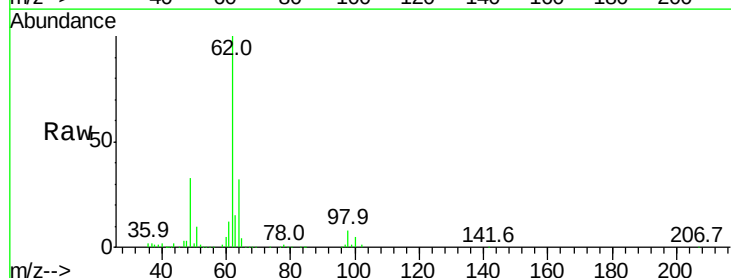
Acq: 13 Feb 2020 10:13

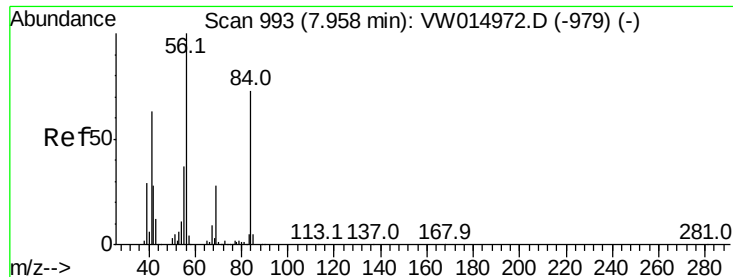
Tgt Ion: 62 Resp: 81312

Ion Ratio Lower Upper

62 100

98 7.9 6.2 9.4

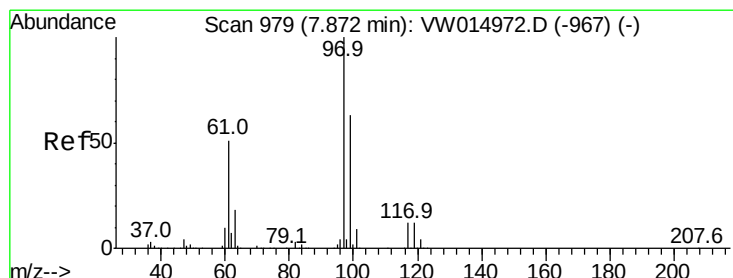
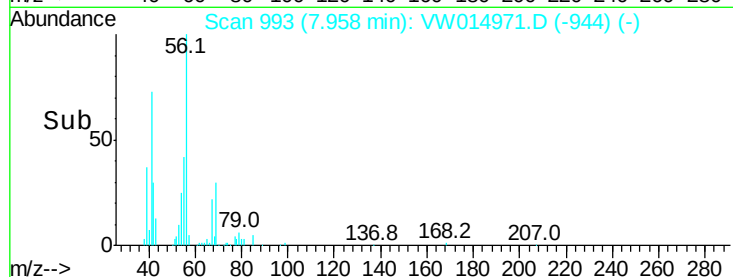
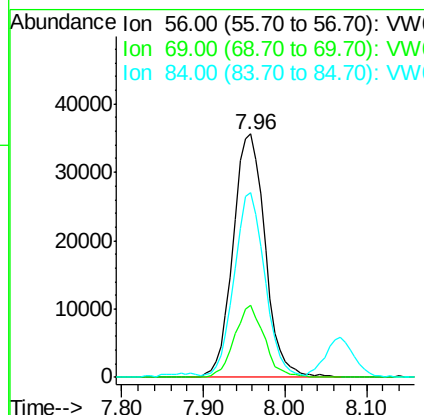
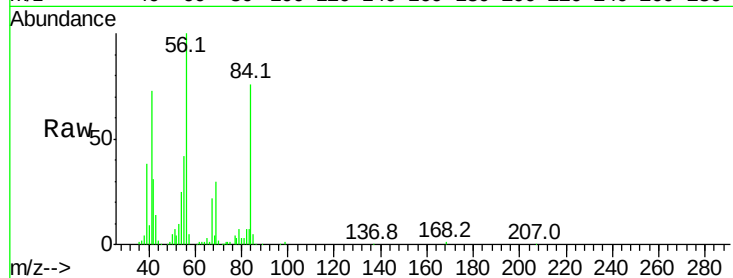




#29
Cyclohexane
Concen: 5.134 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW014971.D
Acq: 13 Feb 2020 10:13

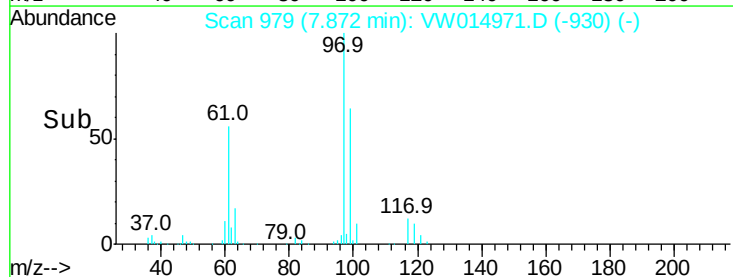
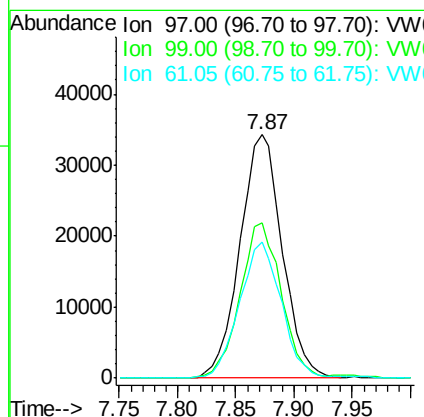
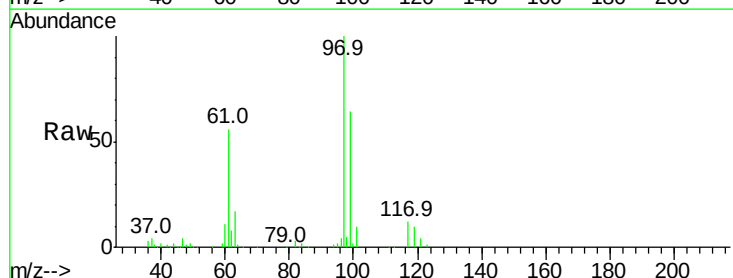
Instrument :
MSVOA_W
ClientSampleId :
VSTD005302

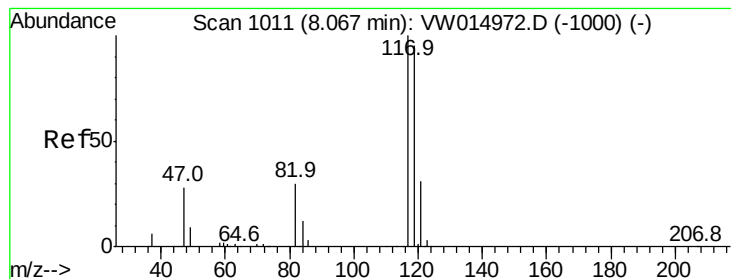
Tgt Ion: 56 Resp: 96729
Ion Ratio Lower Upper
56 100
69 27.8 22.0 33.0
84 72.3 57.8 86.6



#30
1,1,1-Trichloroethane
Concen: 5.724 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW014971.D
Acq: 13 Feb 2020 10:13

Tgt Ion: 97 Resp: 86676
Ion Ratio Lower Upper
97 100
99 62.1 50.6 75.8
61 55.3 42.7 64.1





#31

Carbon tetrachloride

Concen: 5.774 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW014971.D

Acq: 13 Feb 2020 10:13

Instrument :

MSVOA_W

ClientSampleId :

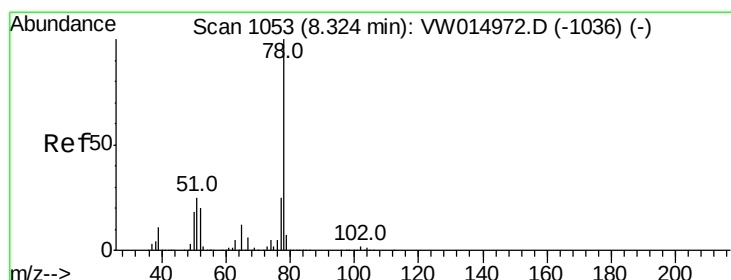
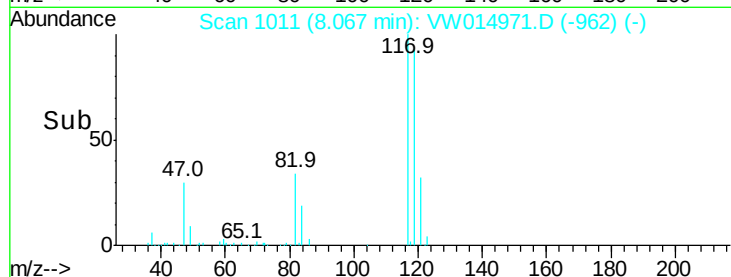
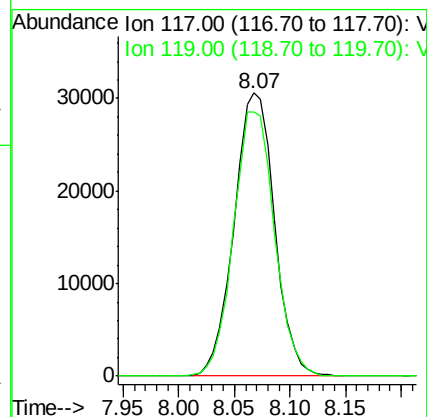
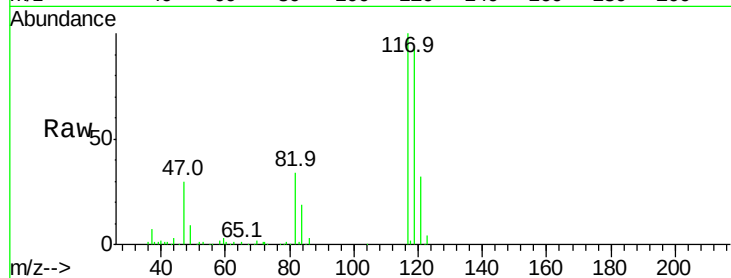
VSTD005302

Tgt Ion:117 Resp: 77107

Ion Ratio Lower Upper

117 100

119 95.0 76.6 114.8



#33

Benzene

Concen: 6.029 ug/L

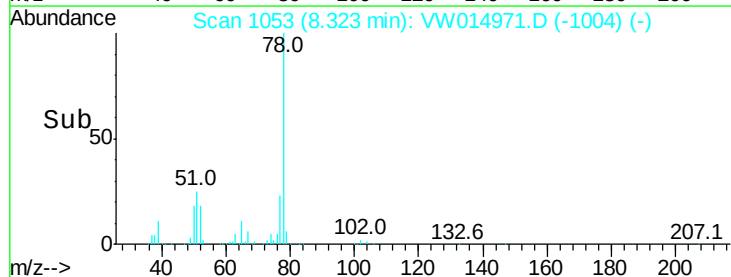
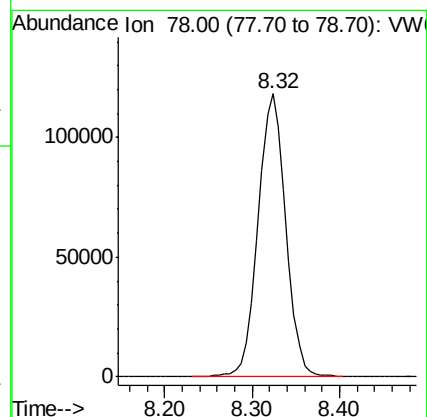
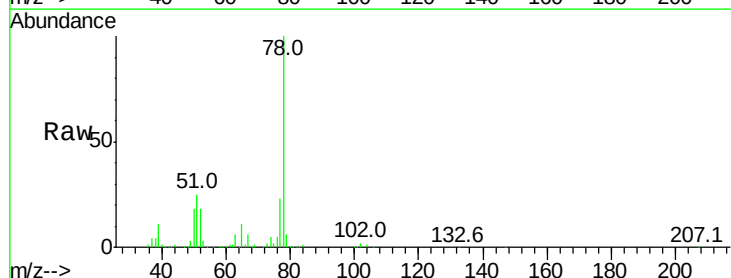
RT: 8.32 min Scan# 1053

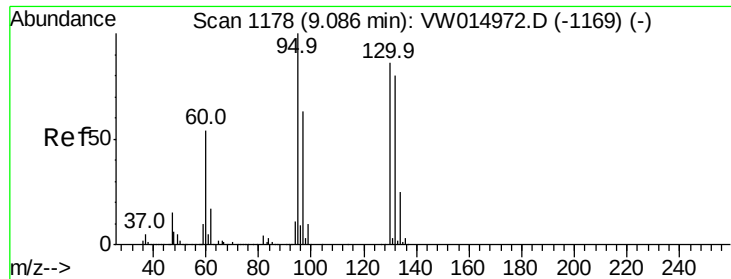
Delta R.T. -0.00 min

Lab File: VW014971.D

Acq: 13 Feb 2020 10:13

Tgt Ion: 78 Resp: 259367

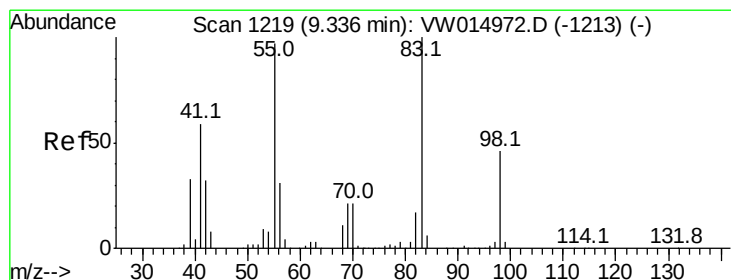
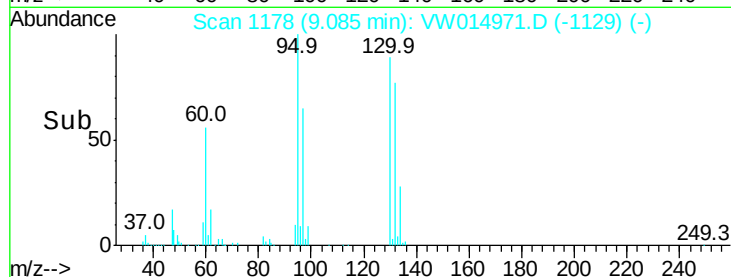
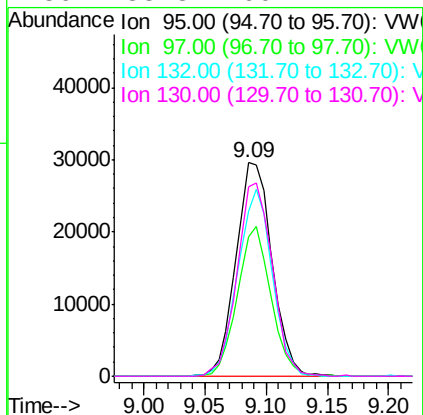
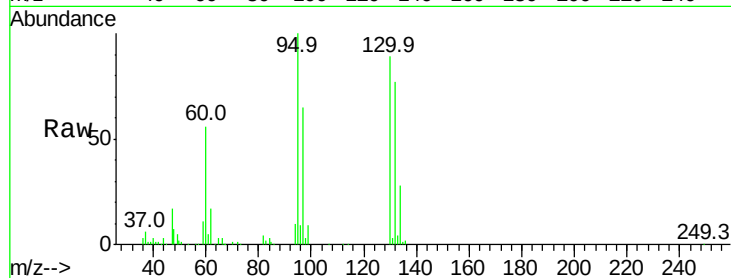




#34
 Trichloroethene
 Concen: 5.516 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.00 min
 Lab File: VW014971.D
 Acq: 13 Feb 2020 10:13

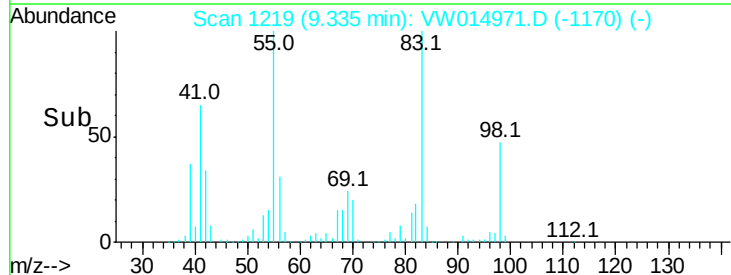
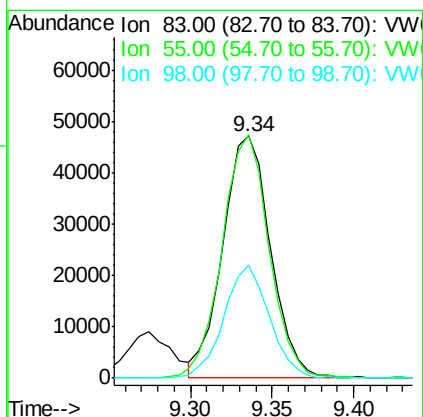
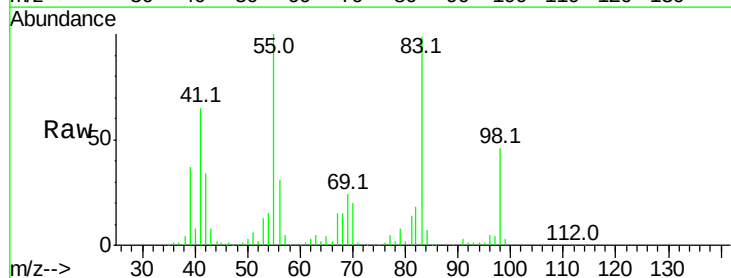
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD005302

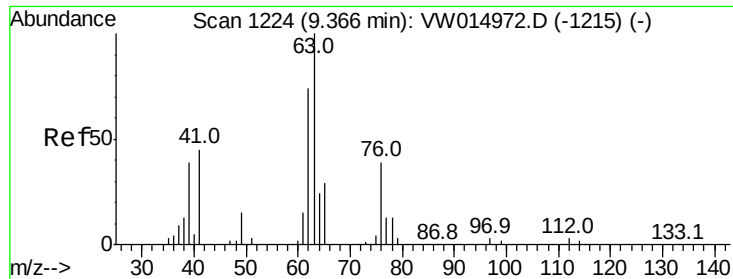
Tgt Ion: 95 Resp: 60558
 Ion Ratio Lower Upper
 95 100
 97 65.4 44.2 82.0
 132 77.4 56.1 104.3
 130 88.8 60.1 111.7



#35
 Methylcyclohexane
 Concen: 4.772 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW014971.D
 Acq: 13 Feb 2020 10:13

Tgt Ion: 83 Resp: 96552
 Ion Ratio Lower Upper
 83 100
 55 99.1 76.3 114.5
 98 44.7 36.4 54.6

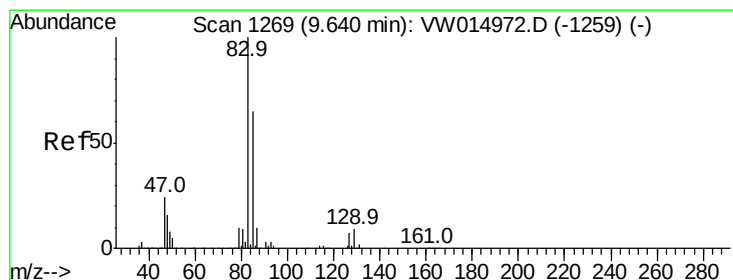
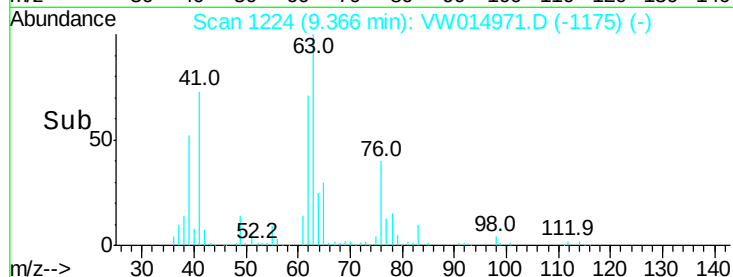
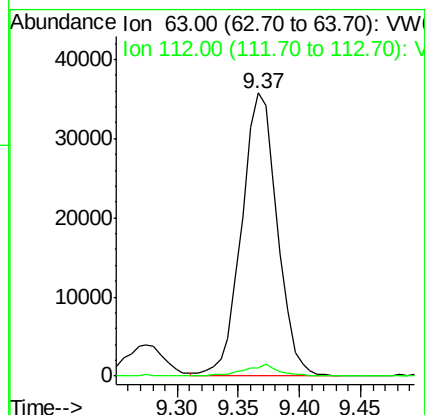
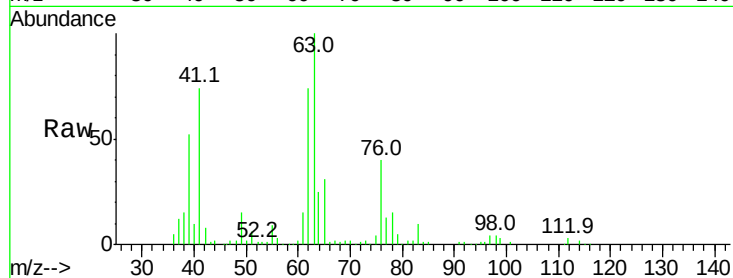




#37
 1,2-Dichloropropane
 Concen: 6.643 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW014971.D
 Acq: 13 Feb 2020 10:13

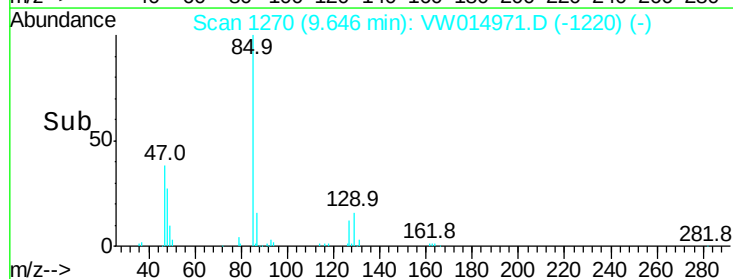
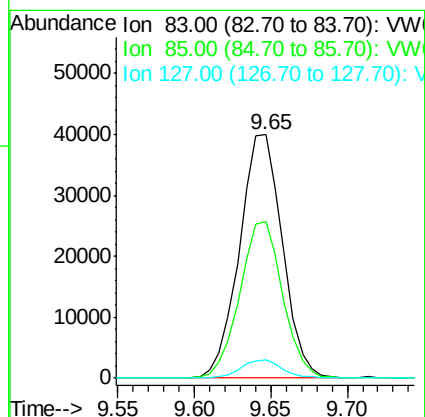
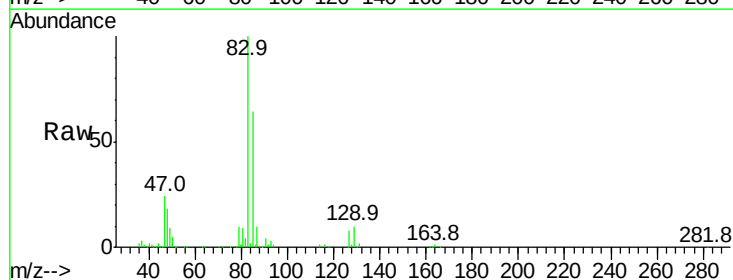
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD005302

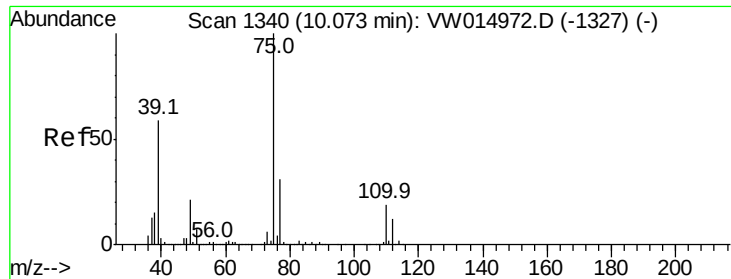
Tgt Ion: 63 Resp: 72007
 Ion Ratio Lower Upper
 63 100
 112 3.7 2.6 4.0



#38
 Bromodichloromethane
 Concen: 5.621 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VW014971.D
 Acq: 13 Feb 2020 10:13

Tgt Ion: 83 Resp: 77992
 Ion Ratio Lower Upper
 83 100
 85 64.4 45.2 84.0
 127 7.6 5.5 8.3

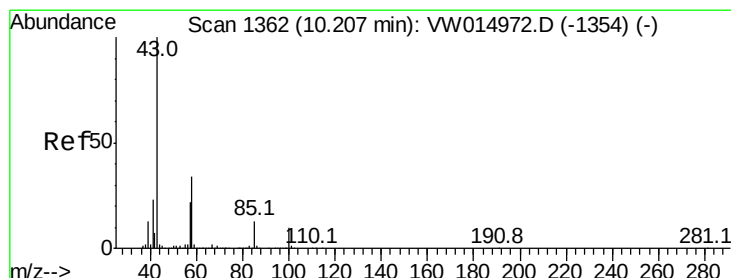
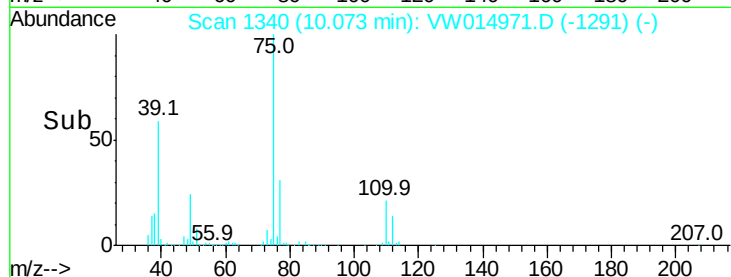
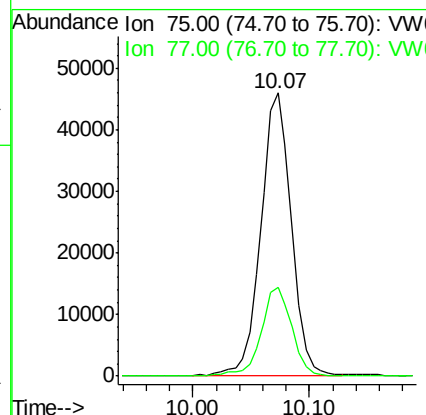
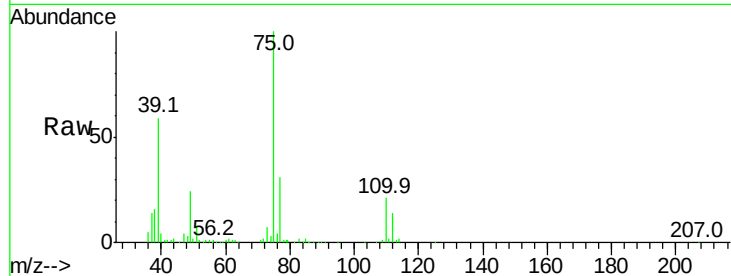




#39
 cis-1,3-Dichloropropene
 Concen: 4.575 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW014971.D
 Acq: 13 Feb 2020 10:13

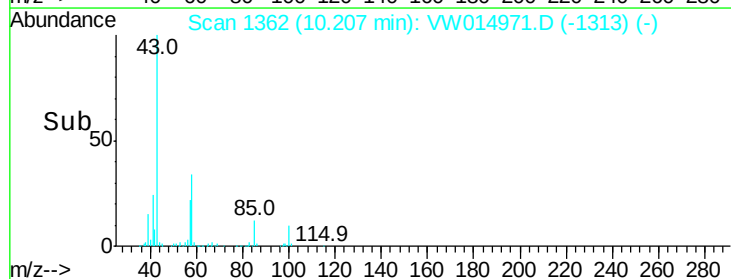
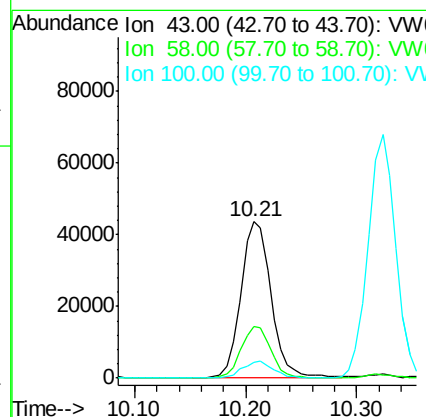
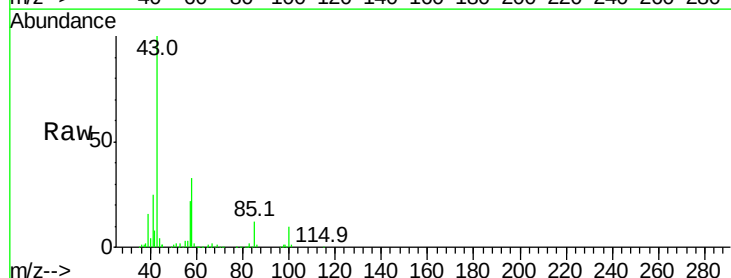
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD005302

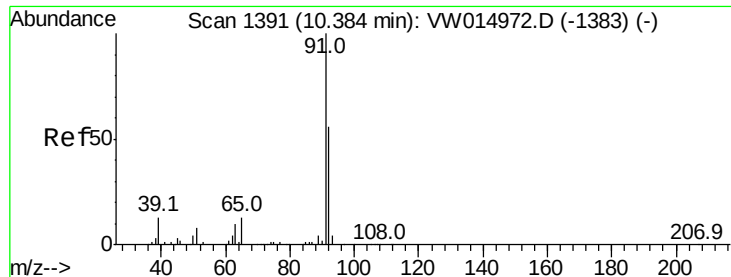
Tgt Ion: 75 Resp: 84007
 Ion Ratio Lower Upper
 75 100
 77 31.3 21.6 40.2



#40
 4-Methyl-2-pentanone
 Concen: 7.003 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW014971.D
 Acq: 13 Feb 2020 10:13

Tgt Ion: 43 Resp: 82418
 Ion Ratio Lower Upper
 43 100
 58 32.6 27.7 41.5
 100 10.6 8.6 13.0





#42

Toluene

Concen: 5.089 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW014971.D

Acq: 13 Feb 2020 10:13

Instrument :

MSVOA_W

ClientSampleId :

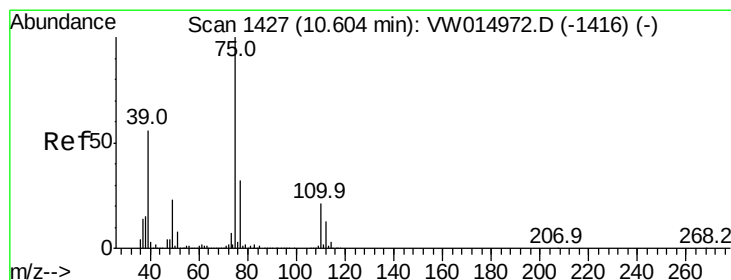
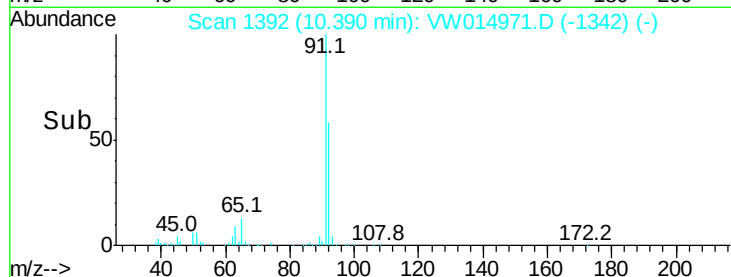
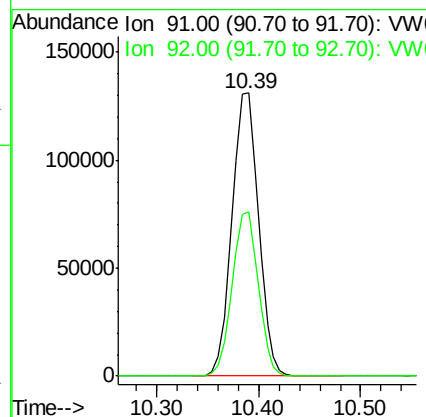
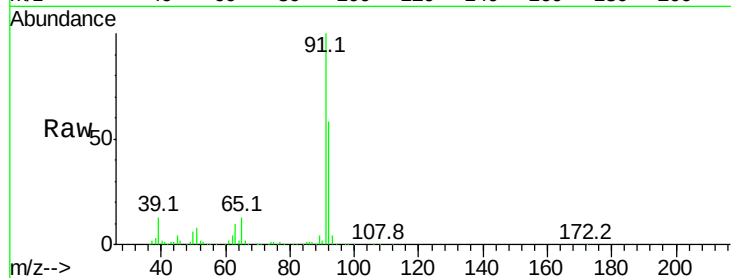
VSTD005302

Tgt Ion: 91 Resp: 237048

Ion Ratio Lower Upper

91 100

92 58.2 39.5 73.3



#44

trans-1,3-Dichloropropene

Concen: 4.415 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014971.D

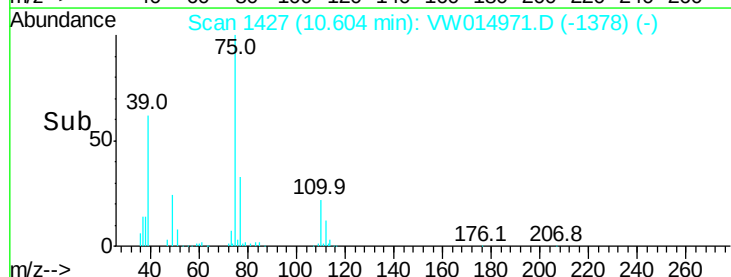
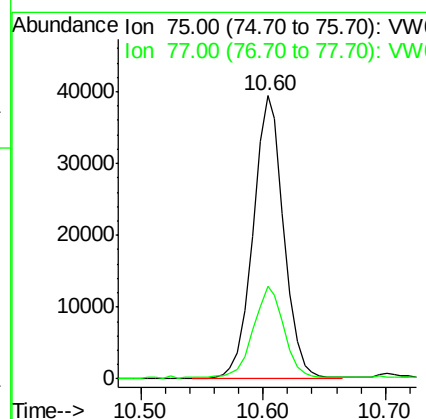
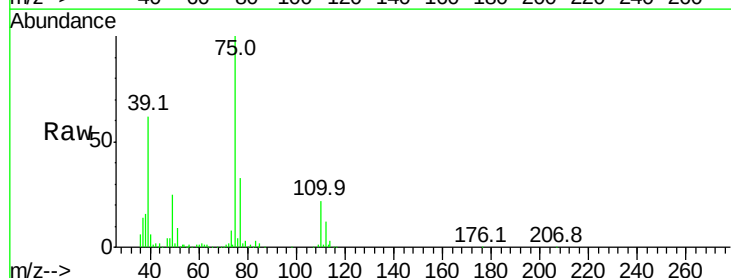
Acq: 13 Feb 2020 10:13

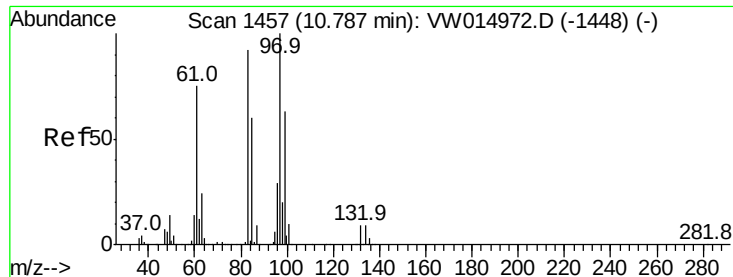
Tgt Ion: 75 Resp: 68964

Ion Ratio Lower Upper

75 100

77 32.9 22.7 42.1

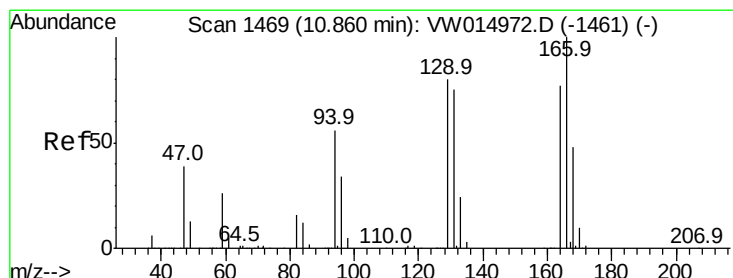
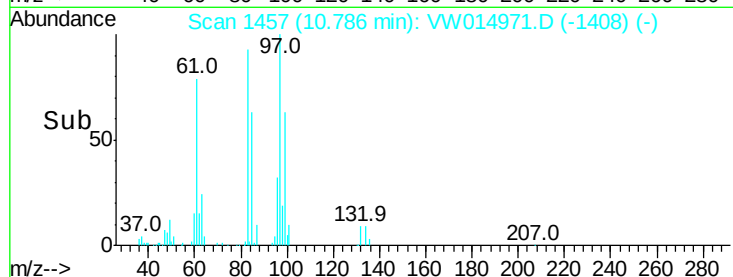
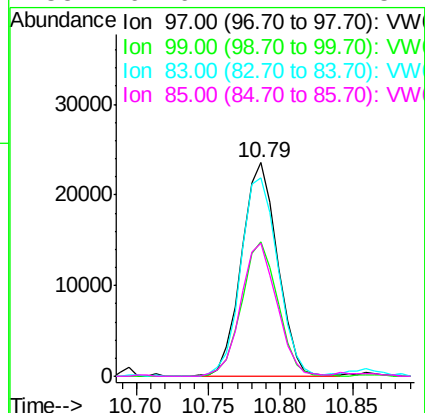
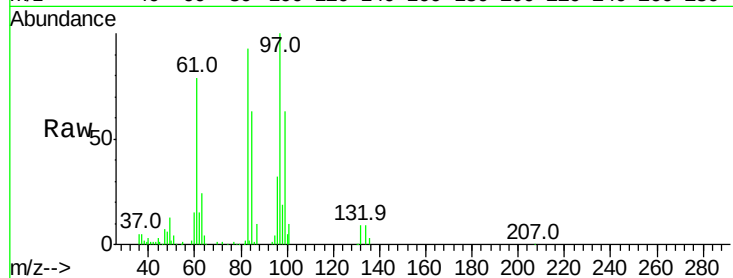




#45
 1,1,2-Trichloroethane
 Concen: 4.392 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW014971.D
 Acq: 13 Feb 2020 10:13

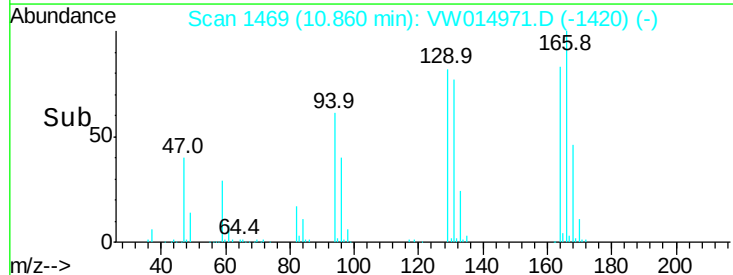
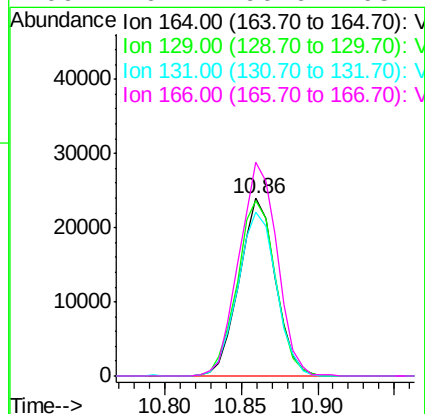
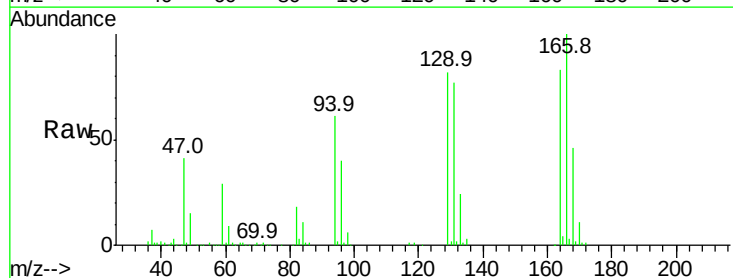
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD005302

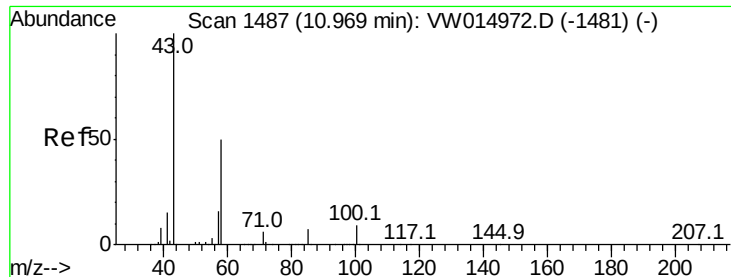
Tgt Ion:	97	Resp:	41006
Ion	Ratio	Lower	Upper
97	100		
99	63.1	44.2	82.0
83	93.0	64.1	119.1
85	62.6	42.1	78.1



#46
 Tetrachloroethene
 Concen: 4.684 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW014971.D
 Acq: 13 Feb 2020 10:13

Tgt Ion:	164	Resp:	39559
Ion	Ratio	Lower	Upper
164	100		
129	98.5	72.2	134.2
131	92.3	68.1	126.5
166	120.2	90.6	168.2



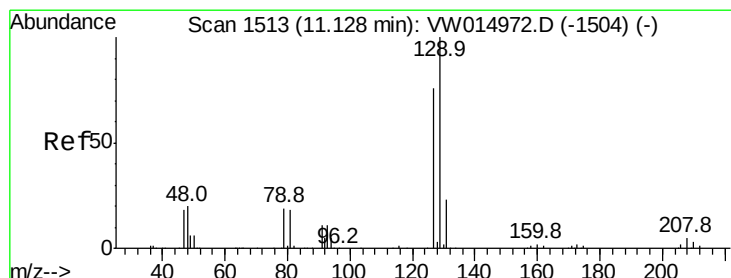
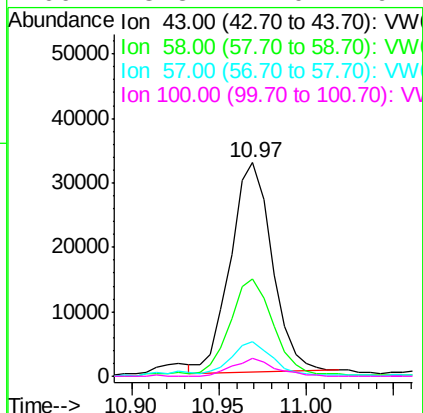
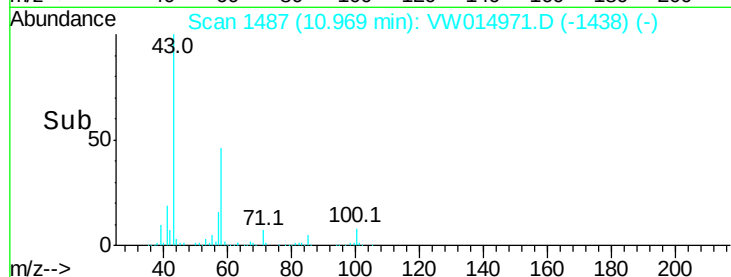
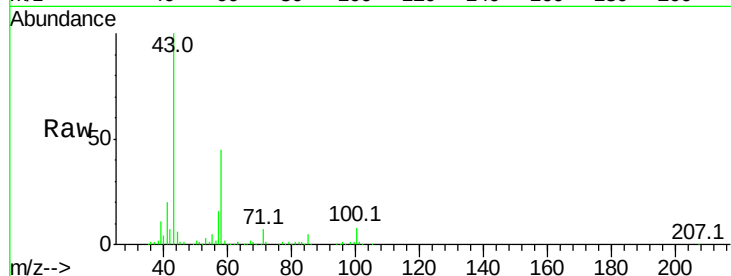


#48
2-Hexanone
Concen: 6.024 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW014971.D
Acq: 13 Feb 2020 10:13

Instrument :
MSVOA_W
ClientSampleId :
VSTD005302

Tgt Ion: 43 Resp: 54374

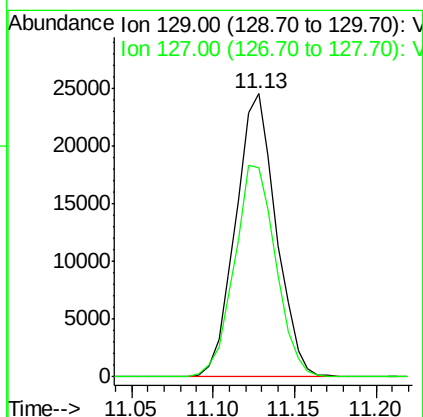
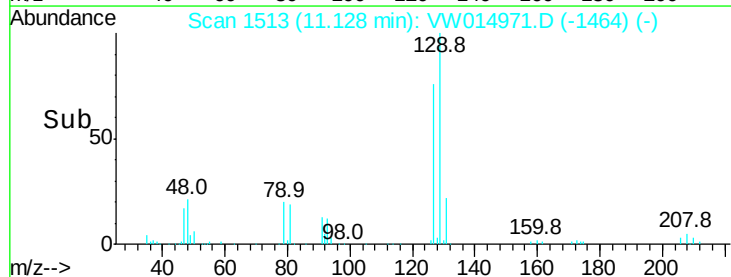
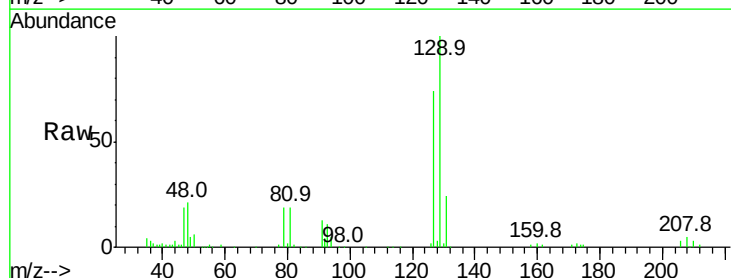
Ion	Ratio	Lower	Upper
43	100		
58	47.8	39.2	58.8
57	16.7	13.1	19.7
100	8.3	7.0	10.4

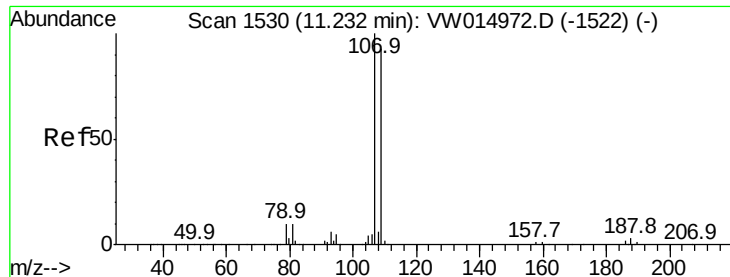


#49
Dibromochloromethane
Concen: 4.217 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014971.D
Acq: 13 Feb 2020 10:13

Tgt Ion: 129 Resp: 42554

Ion	Ratio	Lower	Upper
129	100		
127	73.8	53.0	98.4

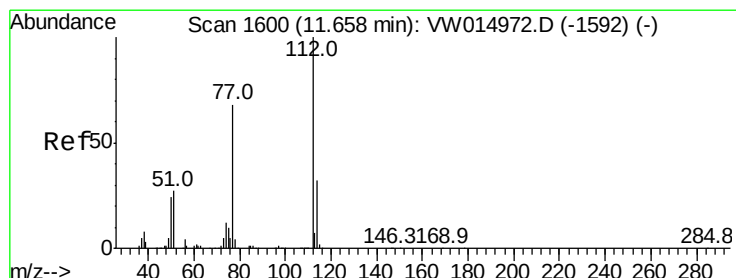
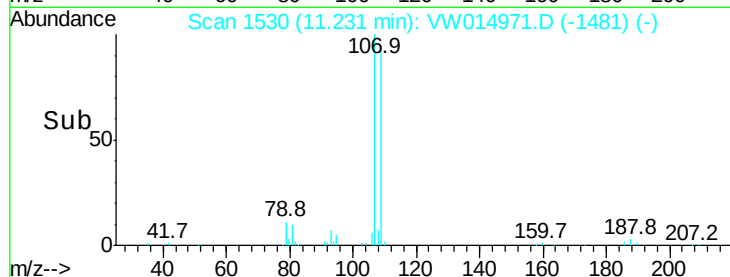
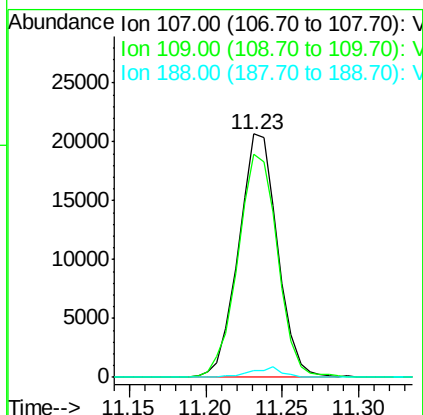
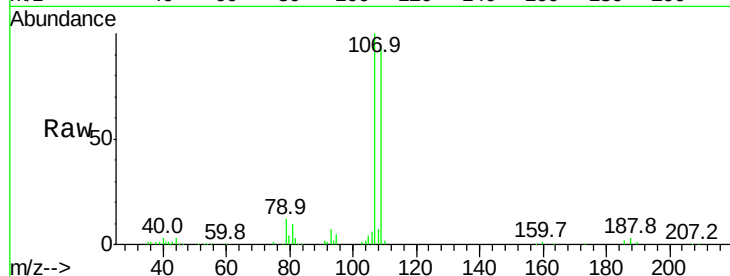




#50
 1,2-Dibromoethane
 Concen: 3.872 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW014971.D
 Acq: 13 Feb 2020 10:13

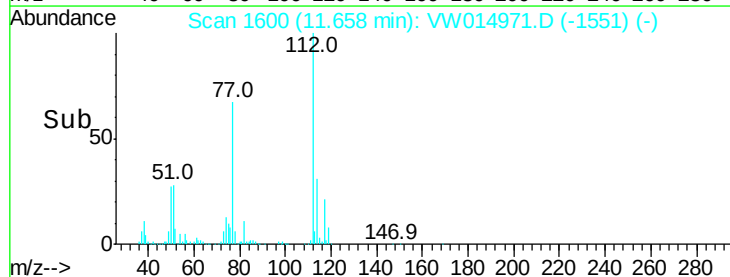
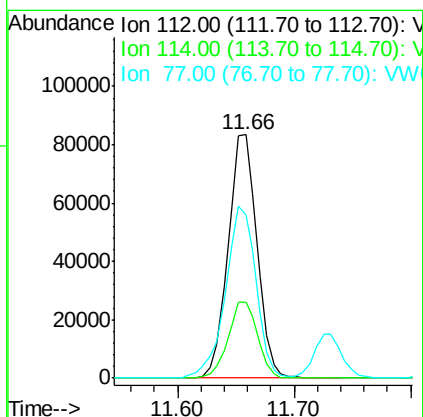
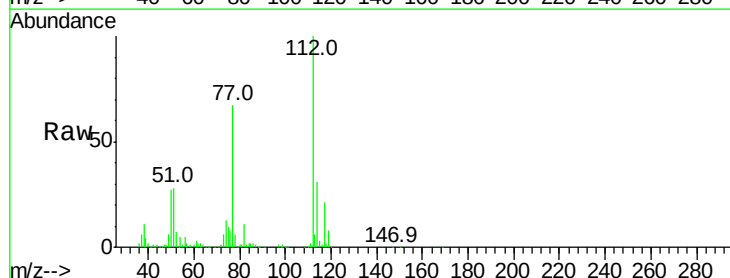
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD005302

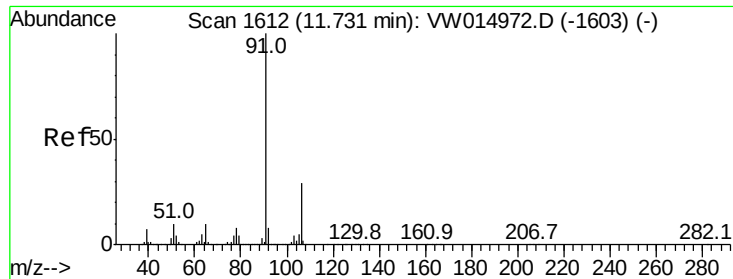
Tgt Ion:107 Resp: 36517
 Ion Ratio Lower Upper
 107 100
 109 91.7 65.1 120.9
 188 2.7 2.4 3.6



#51
 Chlorobenzene
 Concen: 4.879 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW014971.D
 Acq: 13 Feb 2020 10:13

Tgt Ion:112 Resp: 144007
 Ion Ratio Lower Upper
 112 100
 114 31.2 22.6 42.0
 77 67.2 54.6 82.0





#52

Ethylbenzene

Concen: 4.802 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW014971.D

Acq: 13 Feb 2020 10:13

Instrument :

MSVOA_W

ClientSampleId :

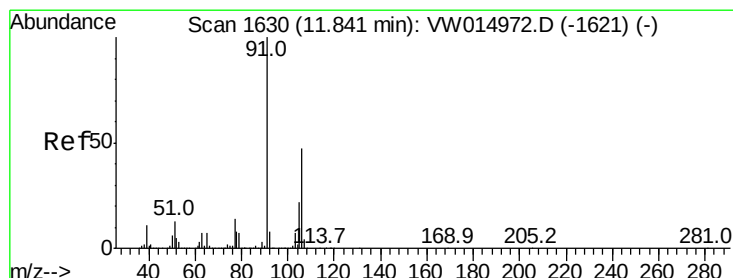
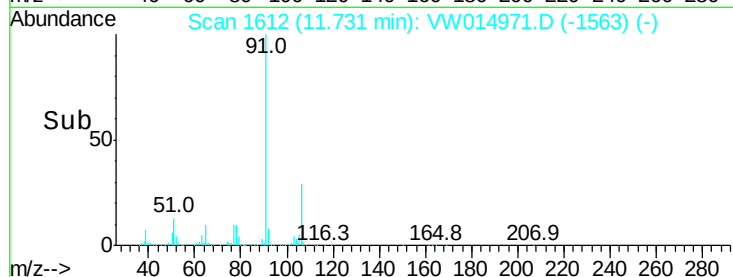
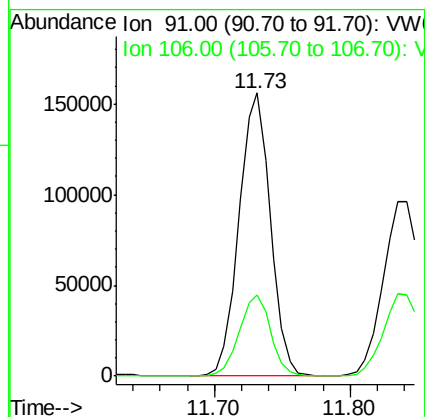
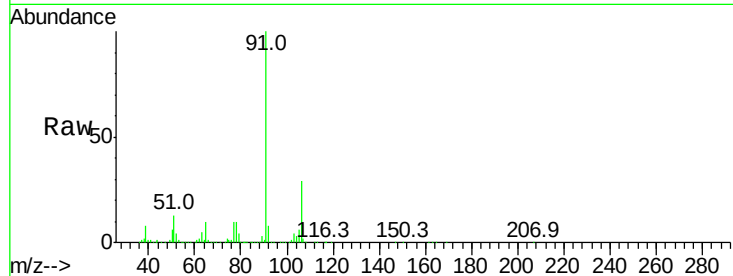
VSTD005302

Tgt Ion: 91 Resp: 250752

Ion Ratio Lower Upper

91 100

106 28.6 20.2 37.4



#53

m,p-Xylene

Concen: 4.344 ug/L

RT: 11.84 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW014971.D

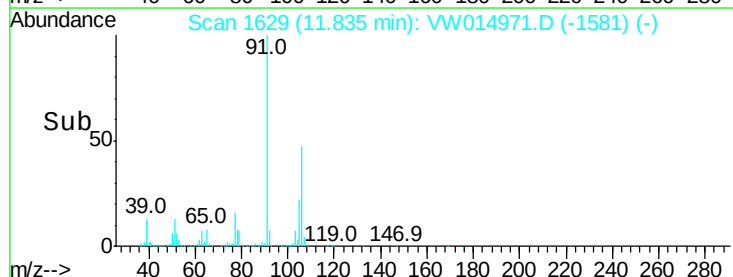
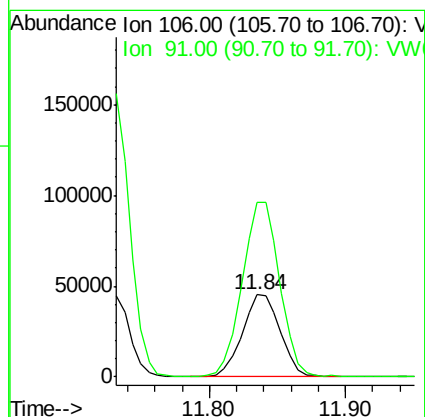
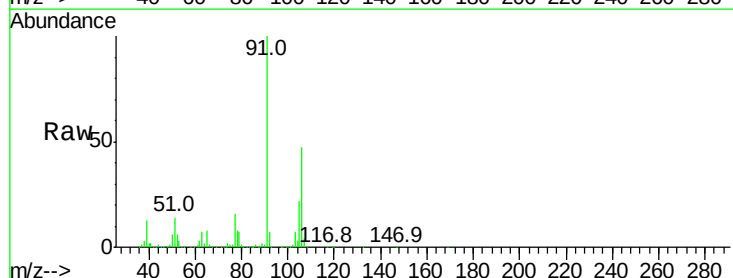
Acq: 13 Feb 2020 10:13

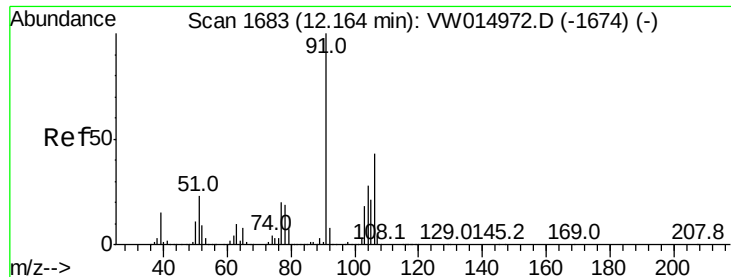
Tgt Ion: 106 Resp: 88142

Ion Ratio Lower Upper

106 100

91 212.0 149.2 277.2

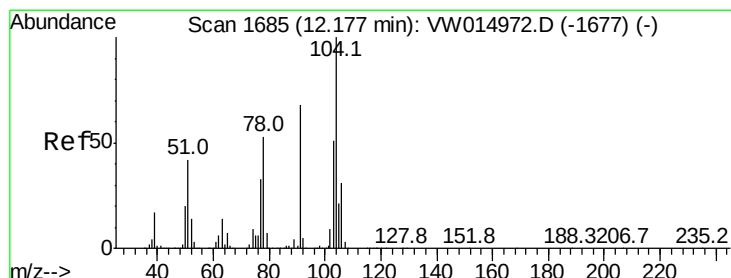
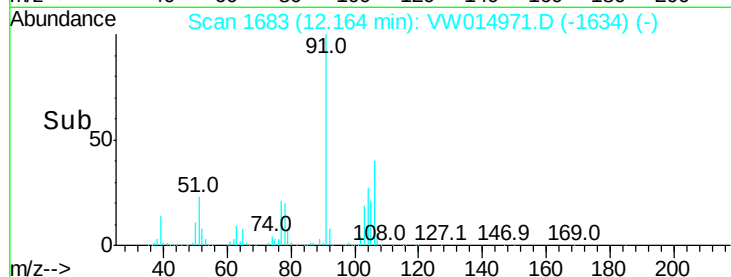
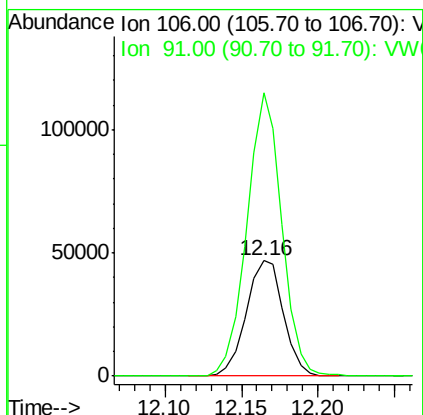
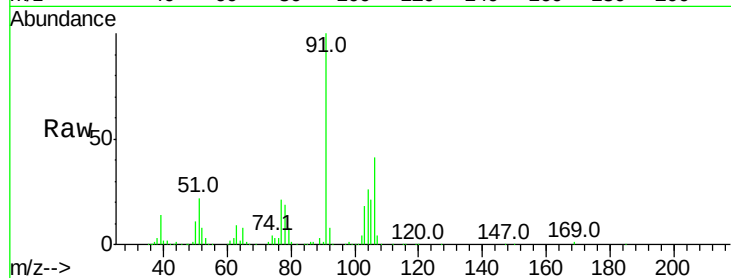




#54
o-Xylene
Concen: 4.072 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW014971.D
Acq: 13 Feb 2020 10:13

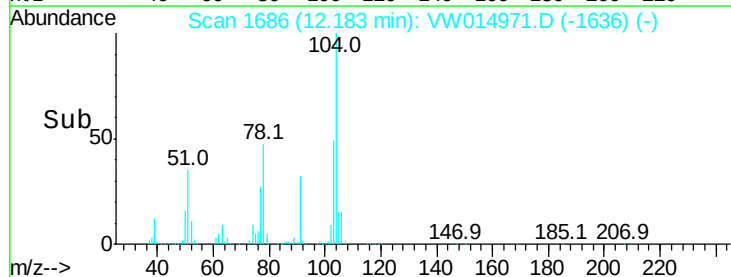
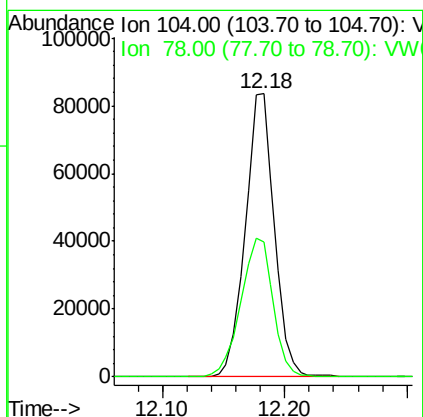
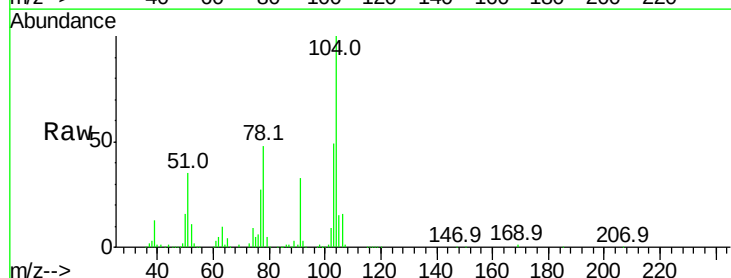
Instrument :
MSVOA_W
ClientSampleId :
VSTD005302

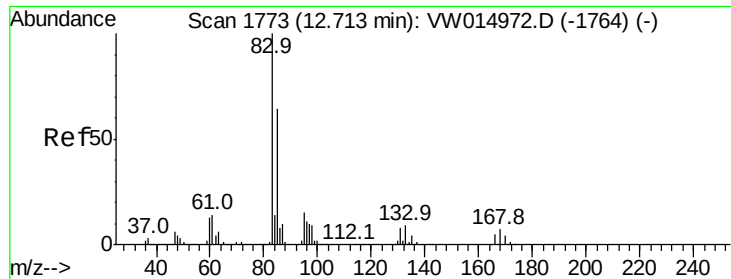
Tgt Ion:106 Resp: 79161
Ion Ratio Lower Upper
106 100
91 245.0 163.7 304.1



#55
Styrene
Concen: 4.072 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW014971.D
Acq: 13 Feb 2020 10:13

Tgt Ion:104 Resp: 138570
Ion Ratio Lower Upper
104 100
78 47.5 36.8 68.4

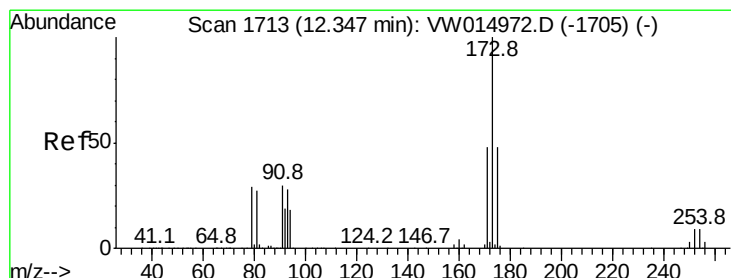
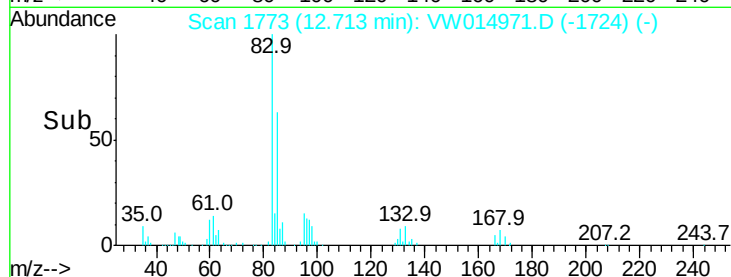
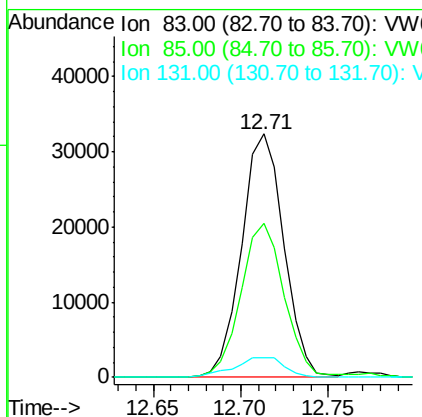
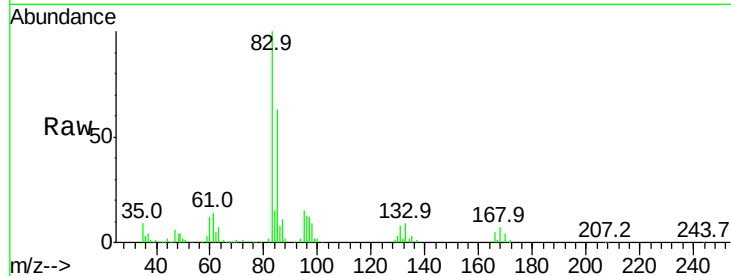




#57
 1,1,2,2-Tetrachloroethane
 Concen: 4.162 ug/L
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: VW014971.D
 Acq: 13 Feb 2020 10:13

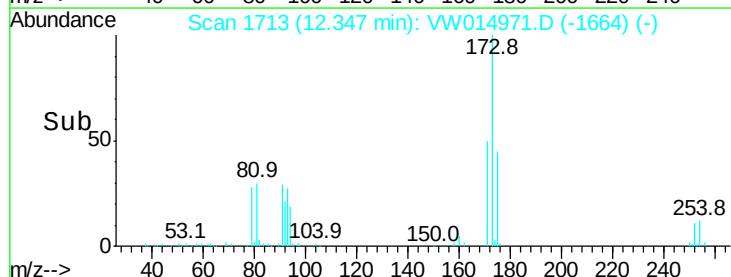
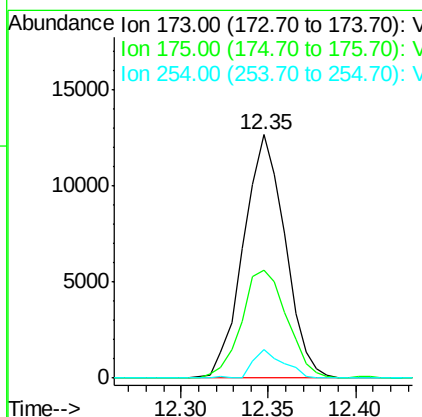
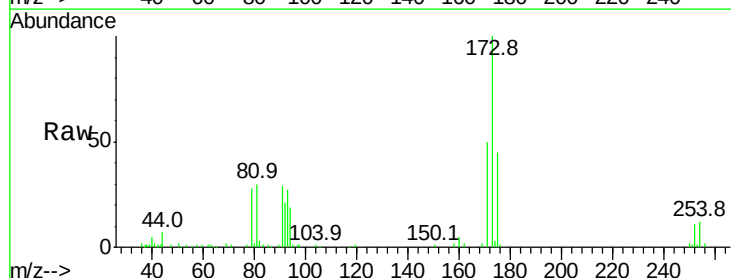
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD005302

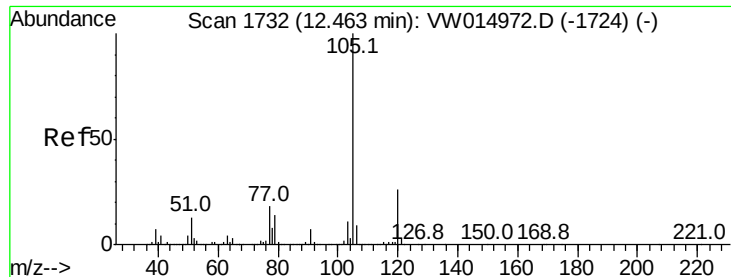
Tgt Ion: 83 Resp: 54476
 Ion Ratio Lower Upper
 83 100
 85 63.5 44.9 83.5
 131 8.2 6.2 9.2



#59
 Bromoform
 Concen: 3.453 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW014971.D
 Acq: 13 Feb 2020 10:13

Tgt Ion: 173 Resp: 21033
 Ion Ratio Lower Upper
 173 100
 175 48.5 39.0 58.4
 254 8.3 7.1 10.7





#60

Isopropylbenzene

Concen: 4.714 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014971.D

Acq: 13 Feb 2020 10:13

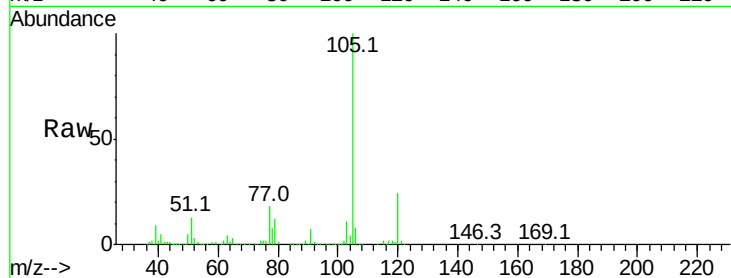
Instrument :

MSVOA_W

ClientSampleId :

VSTD005302

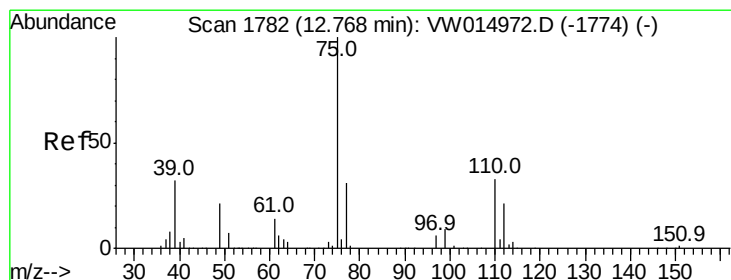
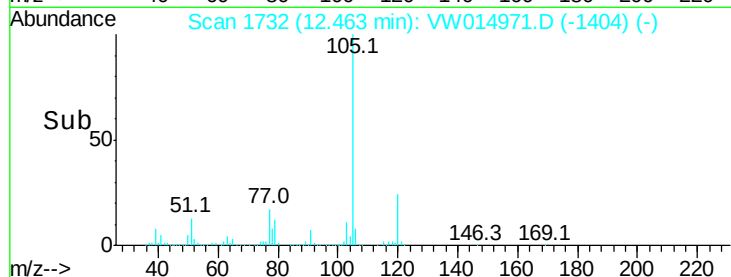
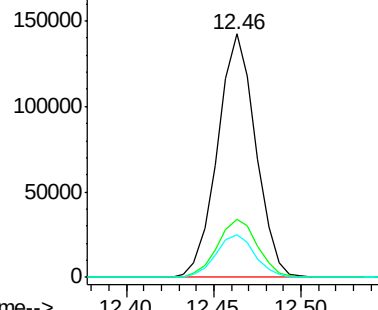
Tgt Ion:	105	Resp:	216355
Ion	Ratio	Lower	Upper
105	100		
120	25.1	20.1	30.1
77	18.0	14.4	21.6



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: 4.731 ug/L

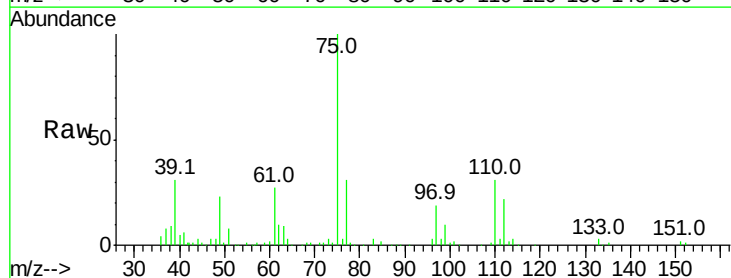
RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW014971.D

Acq: 13 Feb 2020 10:13

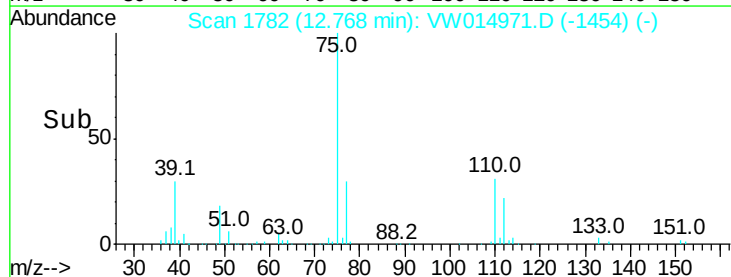
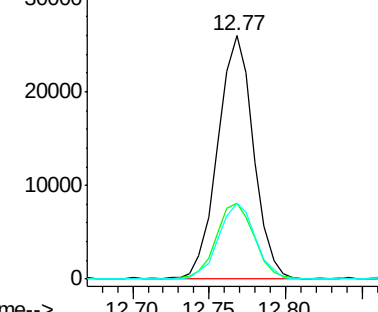
Tgt Ion:	75	Resp:	42384
Ion	Ratio	Lower	Upper
75	100		
77	33.0	25.8	38.6
110	31.9	26.6	39.8

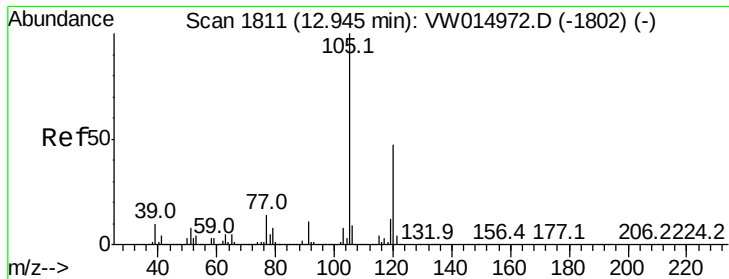


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

Ion 110.00 (109.70 to 110.70): V

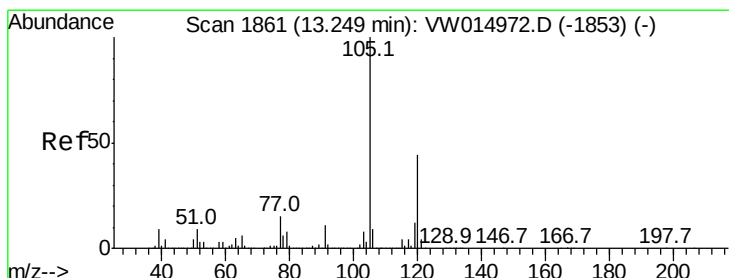
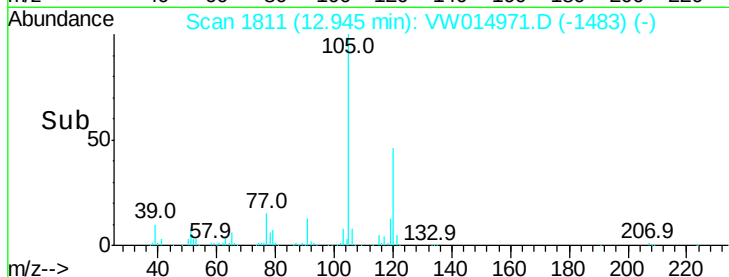
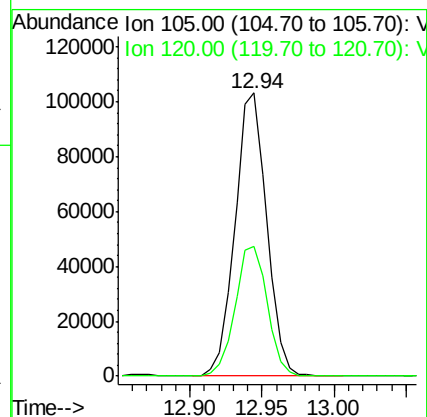
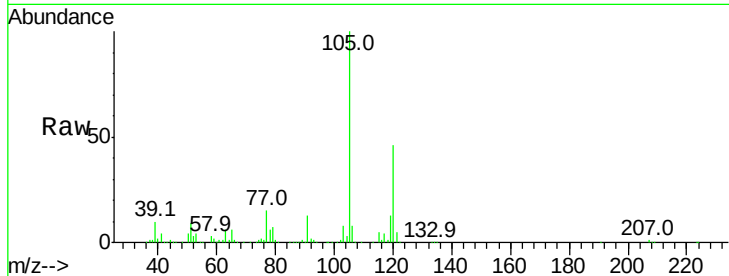




#62
 1,3,5-Trimethylbenzene
 Concen: 4.183 ug/L
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW014971.D
 Acq: 13 Feb 2020 10:13

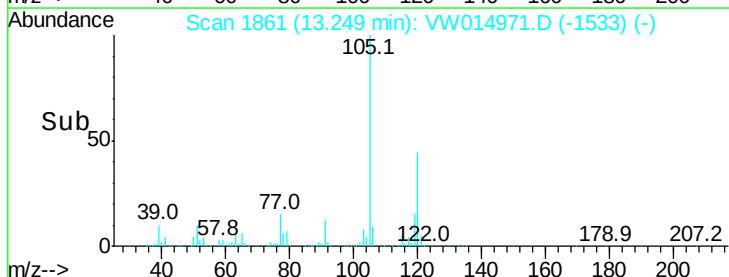
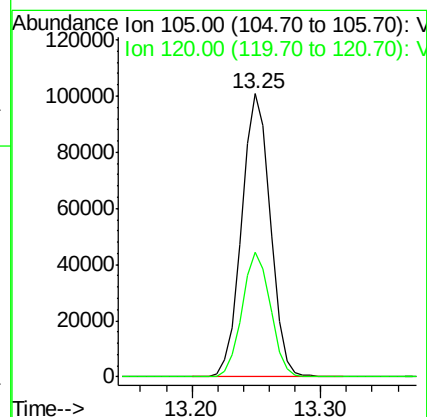
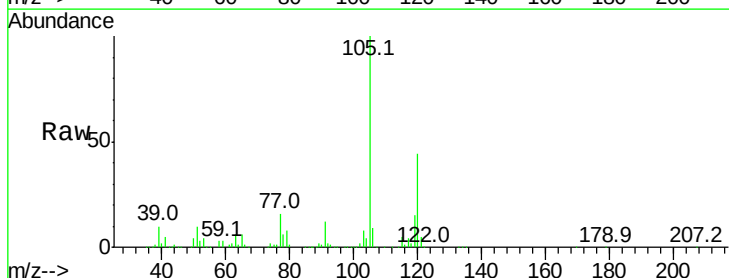
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD005302

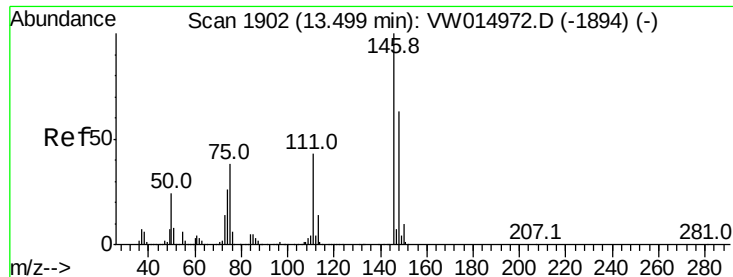
Tgt Ion:105 Resp: 158930
 Ion Ratio Lower Upper
 105 100
 120 46.5 37.4 56.0



#63
 1,2,4-Trimethylbenzene
 Concen: 4.135 ug/L
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW014971.D
 Acq: 13 Feb 2020 10:13

Tgt Ion:105 Resp: 155446
 Ion Ratio Lower Upper
 105 100
 120 43.6 35.0 52.4





#64

1,3-Dichlorobenzene

Concen: 4.537 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW014971.D

Acq: 13 Feb 2020 10:13

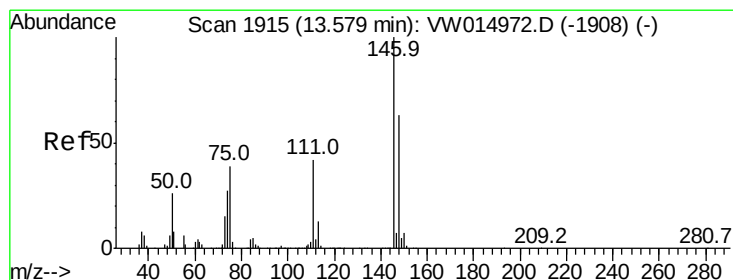
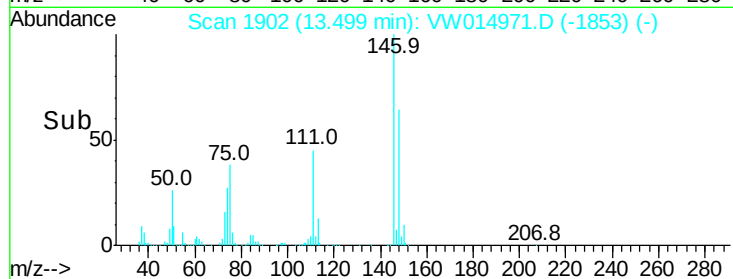
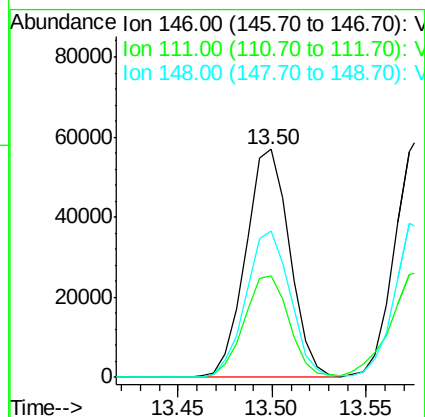
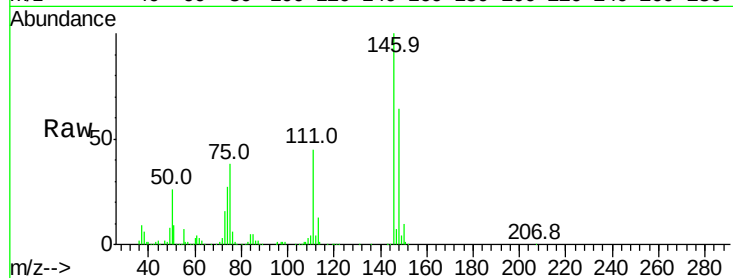
Instrument :

MSVOA_W

ClientSampled :

VSTD005302

Tgt Ion:	146	Resp:	92369
Ion	Ratio	Lower	Upper
146	100		
111	44.6	30.2	56.0
148	64.1	44.2	82.2



#65

1,4-Dichlorobenzene

Concen: 4.821 ug/L

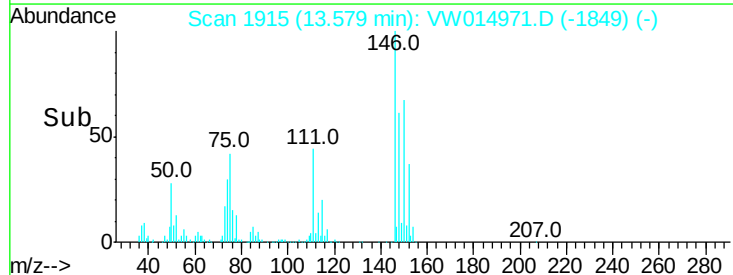
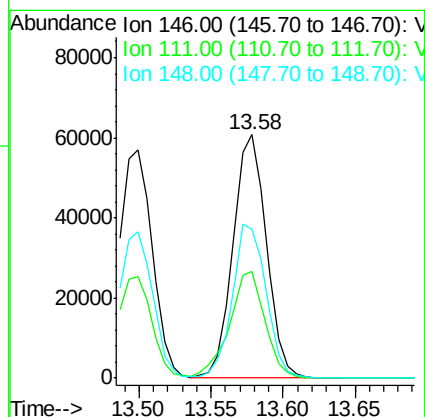
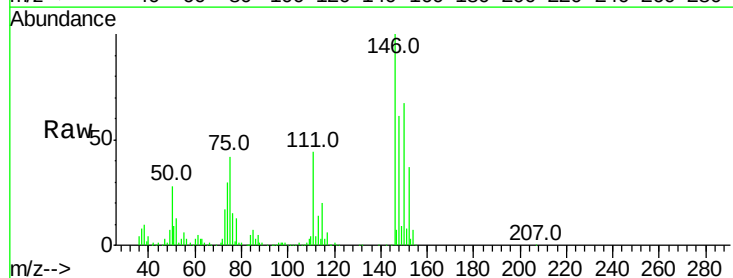
RT: 13.58 min Scan# 1915

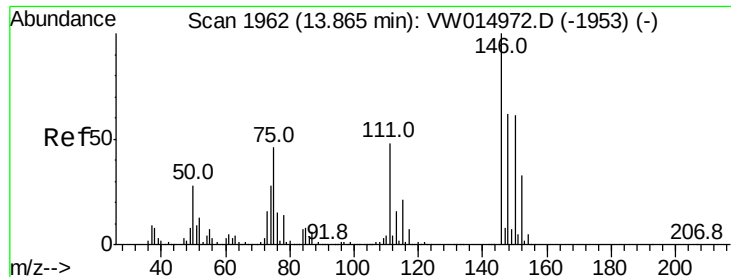
Delta R.T. -0.00 min

Lab File: VW014971.D

Acq: 13 Feb 2020 10:13

Tgt Ion:	146	Resp:	98527
Ion	Ratio	Lower	Upper
146	100		
111	43.6	29.5	54.9
148	61.2	43.8	81.3

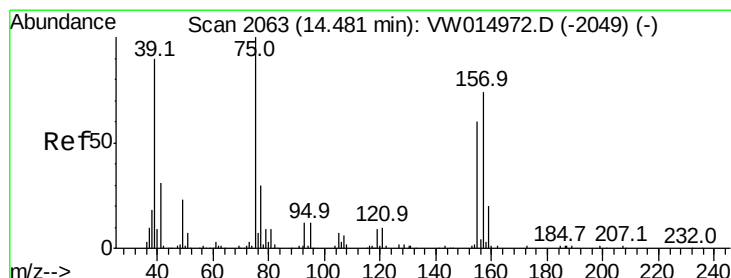
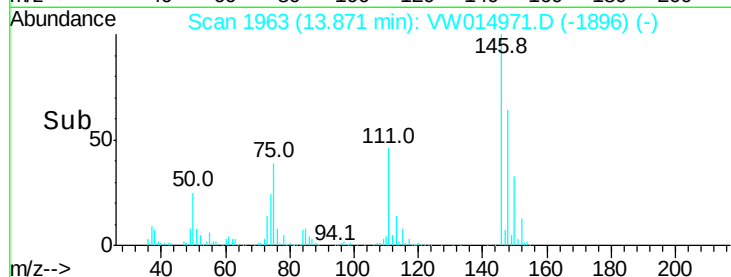
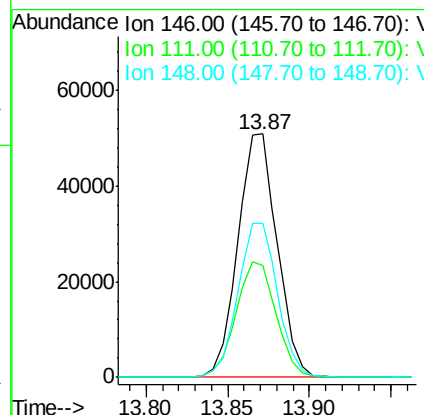
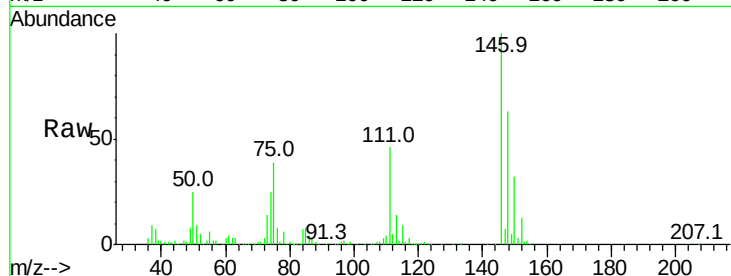




#67
 1,2-Dichlorobenzene
 Concen: 4.529 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW014971.D
 Acq: 13 Feb 2020 10:13

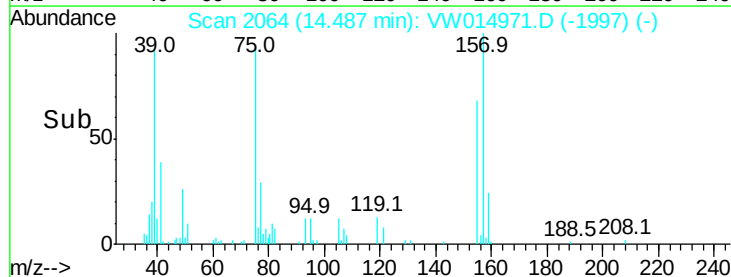
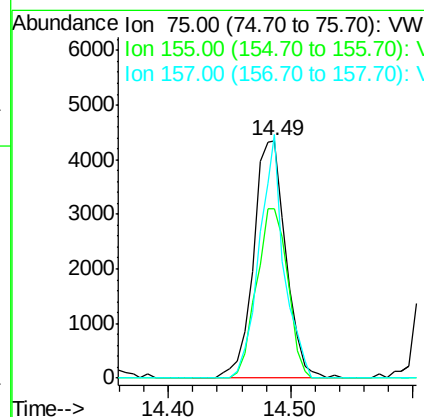
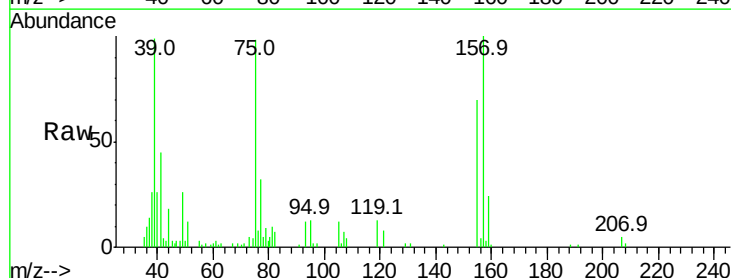
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD005302

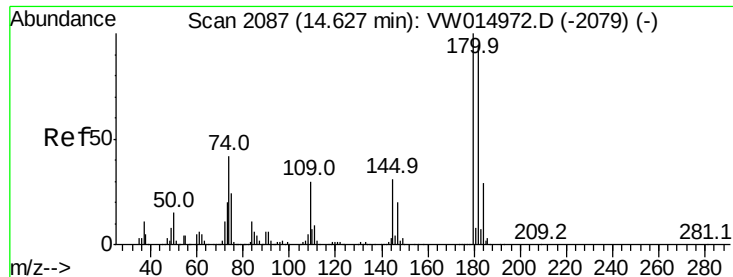
Tgt Ion:146 Resp: 85350
 Ion Ratio Lower Upper
 146 100
 111 45.7 38.0 57.0
 148 63.2 49.5 74.3



#68
 1,2-Dibromo-3-chloropropane
 Concen: 3.535 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW014971.D
 Acq: 13 Feb 2020 10:13

Tgt Ion: 75 Resp: 7991
 Ion Ratio Lower Upper
 75 100
 155 71.2 48.0 72.0
 157 102.4 59.4 89.0#

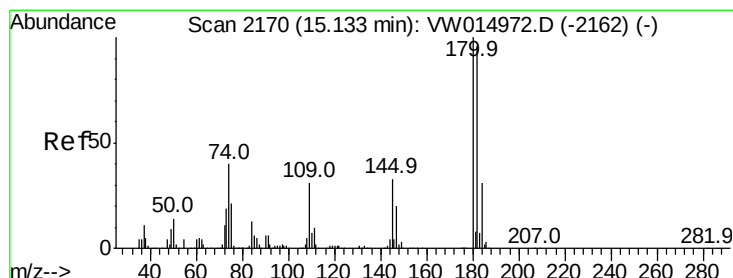
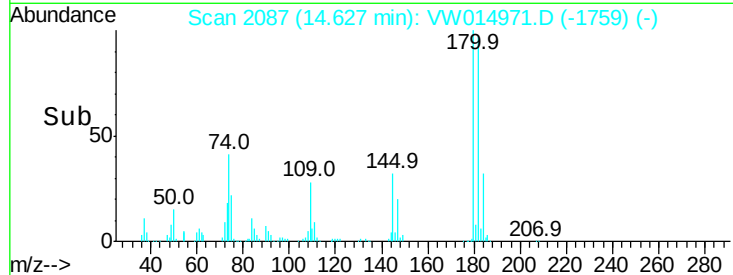
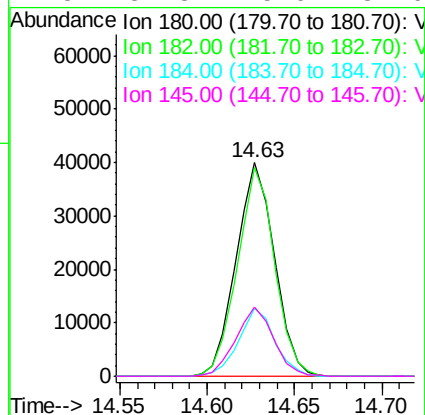
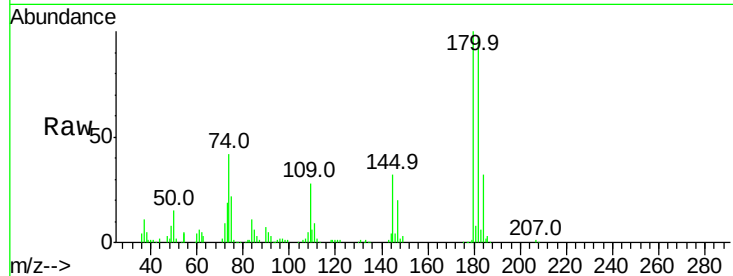




#69
 1,3,5-Trichlorobenzene
 Concen: 4.366 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW014971.D
 Acq: 13 Feb 2020 10:13

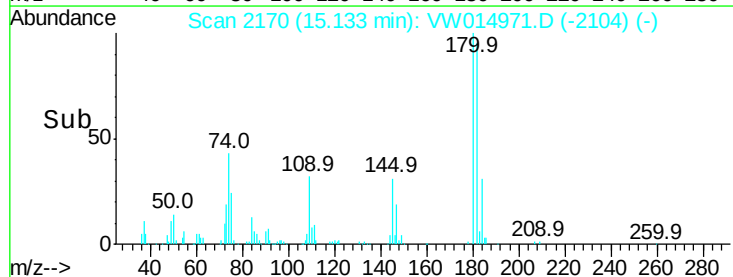
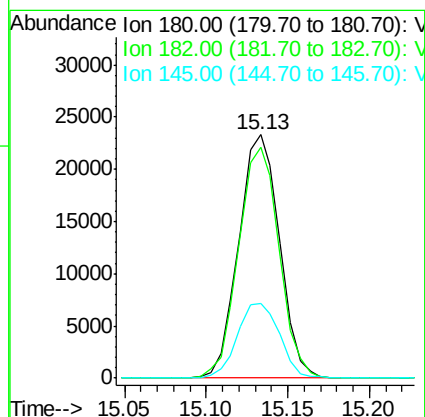
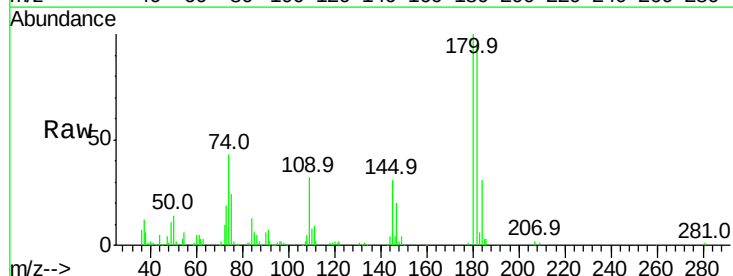
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD005302

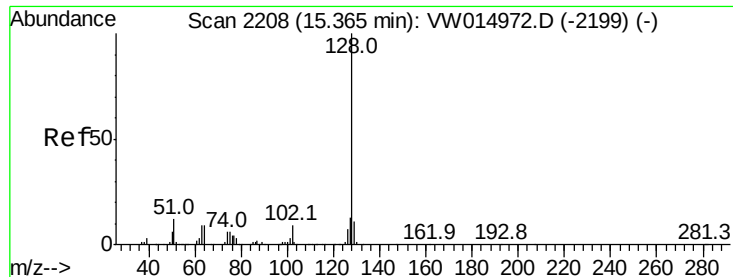
Tgt Ion:180 Resp: 61069
 Ion Ratio Lower Upper
 180 100
 182 94.5 76.5 114.7
 184 30.2 24.2 36.2
 145 31.8 25.0 37.6



#70
 1,2,4-trichlorobenzene
 Concen: 3.182 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014971.D
 Acq: 13 Feb 2020 10:13

Tgt Ion:180 Resp: 40557
 Ion Ratio Lower Upper
 180 100
 182 94.6 76.2 114.4
 145 31.8 26.2 39.4

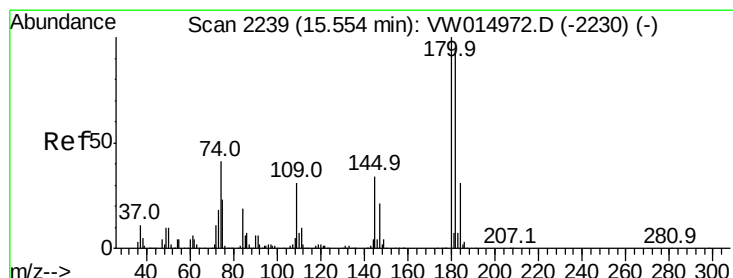
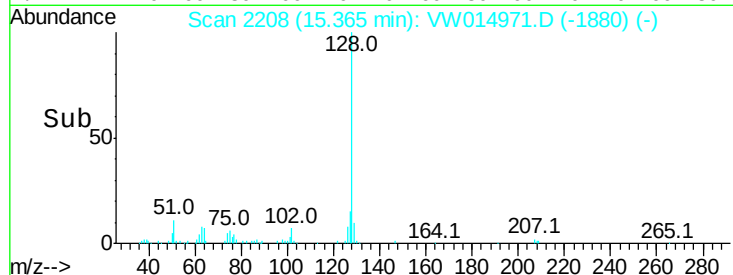
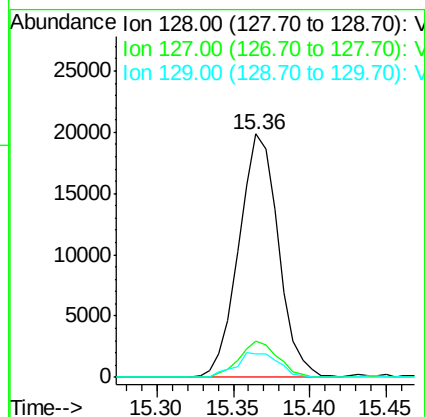
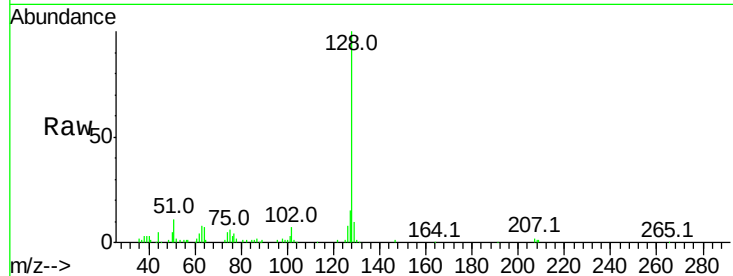




#71
Naphthalene
Concen: 1.005 ug/L
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW014971.D
Acq: 13 Feb 2020 10:13

Instrument :
MSVOA_W
ClientSampleId :
VSTD005302

Tgt Ion:128 Resp: 35704
Ion Ratio Lower Upper
128 100
127 14.3 10.5 15.7
129 11.0 8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 3.180 ug/L
RT: 15.56 min Scan# 2240
Delta R.T. 0.01 min
Lab File: VW014971.D
Acq: 13 Feb 2020 10:13

Tgt Ion:180 Resp: 37813
Ion Ratio Lower Upper
180 100
182 94.9 75.2 112.8
145 33.1 27.0 40.6

