

Data File : VW013849.D
Acq On : 31 Oct 2019 10:36
Operator : SY/VA
Sample : VSTD2.512
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.504

Quant Time: Oct 31 12:05:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM103119S.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 31 12:00:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	307123	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	305135	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	177275	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	12106	3.21	ug/L	0.00
7) Chloroethane-d5	2.89	69	8909	2.53	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	23637	2.84	ug/L	0.00
20) 2-Butanone-d5	7.09	46	7098	5.27	ug/L	0.02
24) Chloroform-d	7.65	84	23822	2.77	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	12974	2.89	ug/L	0.00
29) Benzene-d6	8.28	84	48209	2.63	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	14342	2.62	ug/L	0.00
37) Toluene-d8	10.32	98	45845	2.71	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	6199	2.51	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	5583	5.33	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	12810	2.86	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	17075	2.73	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	7108	2.058 ug/L	85
3) Chloromethane	2.21	50	9588	2.564 ug/L	85
5) Vinyl chloride	2.36	62	14051	3.007 ug/L	91
6) Bromomethane	2.78	94	8446	2.501 ug/L	99
8) Chloroethane	2.93	64	7645	2.421 ug/L	88
9) Trichlorofluoromethane	3.25	101	5772	1.833 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	4483	0.904 ug/L #	56
12) 1,1-Dichloroethene	4.04	96	12762	2.615 ug/L	94
13) Acetone	4.12	43	11063	7.396 ug/L	100
14) Carbon disulfide	4.39	76	37313	2.672 ug/L	95
16) Methylene chloride	4.92	84	14176	2.410 ug/L	97
17) Methyl tert-butyl Ether	5.43	73	15689	2.323 ug/L #	88
18) trans-1,2-Dichloroethene	5.42	96	13453	2.493 ug/L	96
19) 1,1-Dichloroethane	6.22	63	23523	2.576 ug/L	92
21) 2-Butanone	7.18	43	13295	7.000 ug/L #	73
22) cis-1,2-Dichloroethene	7.17	96	14171	2.447 ug/L	96
23) Bromochloromethane	7.51	128	3628	1.386 ug/L	94
25) Chloroform	7.68	83	24026	2.619 ug/L	99
27) 1,2-Dichloroethane	8.40	62	15159	2.578 ug/L	95
30) Cyclohexane	7.96	56	20654	2.310 ug/L	97
31) 1,1,1-Trichloroethane	7.87	97	17945	2.521 ug/L	97
32) Carbon tetrachloride	8.07	117	17302	2.497 ug/L	96
34) Benzene	8.32	78	53184	2.429 ug/L	100
35) Trichloroethene	9.09	95	14391	2.562 ug/L	98
36) Methylcyclohexane	9.34	83	22978	2.321 ug/L	97
40) 1,2-Dichloropropane	9.37	63	13336	2.491 ug/L #	95
41) Bromodichloromethane	9.65	83	16061	2.449 ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	18159	2.149 ug/L	90
43) 4-Methyl-2-pentanone	10.21	43	19861	5.438 ug/L	97
44) Toluene	10.38	91	55111	2.343 ug/L	99

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Quant Title : VOC Analysis
QLast Update : Thu Oct 31 12:00:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) trans-1,3-Dichloropropene	10.60	75	14618	2.143	ug/L	93
46) 1,1,2-Trichloroethane	10.79	97	10574	2.561	ug/L	92
47) Tetrachloroethene	10.86	164	12524	2.436	ug/L	97
49) 2-Hexanone	10.97	43	13490	5.206	ug/L	98
50) Dibromochloromethane	11.13	129	11351	2.330	ug/L	100
51) 1,2-Dibromoethane	11.23	107	10007	2.493	ug/L	92
52) Chlorobenzene	11.66	112	37640	2.501	ug/L	97
53) Ethylbenzene	11.73	91	60554	2.330	ug/L	98
54) m,p-Xylene	11.84	106	23829	2.373	ug/L	95
55) o-xylene	12.16	106	21418	2.247	ug/L	92
56) Styrene	12.18	104	36920	2.264	ug/L	100
57) Isopropylbenzene	12.46	105	58241	2.278	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.71	83	13074	2.702	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	10308	2.857	ug/L	99
62) Bromoform	12.35	173	7559	2.488	ug/L #	90
63) 1,3-Dichlorobenzene	13.50	146	28742	2.389	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	30432	2.518	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	27420	2.516	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.48	75	2059	2.749	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	21189	2.369	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	15240	2.007	ug/L	94
69) Naphthalene	15.37	128	26235	1.907	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	14599	2.147	ug/L	97

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

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Instrument :
MSVOA_W
ClientSampleId :
VSTD2.504

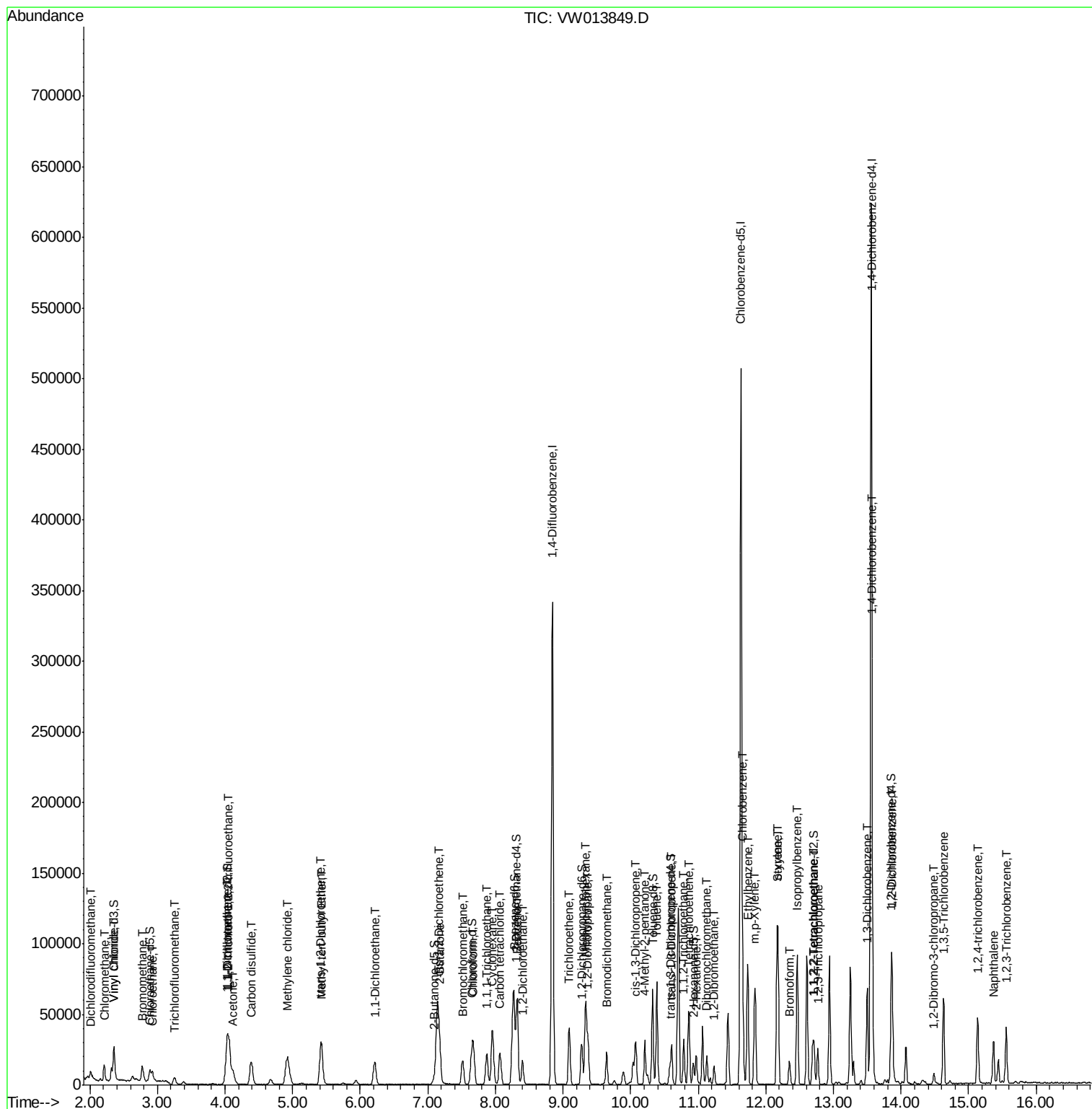
Quant Time: Oct 31 12:05:11 2019

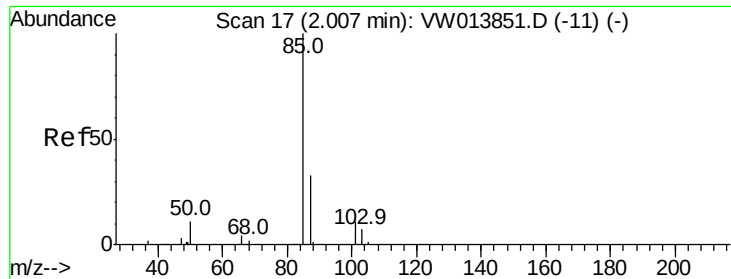
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM103119S.M

Quant Title : VOC Analysis

QLast Update : Thu Oct 31 12:00:18 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 2.058 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW013849.D

Acq: 31 Oct 2019 10:36

Instrument :

MSVOA_W

ClientSampleId :

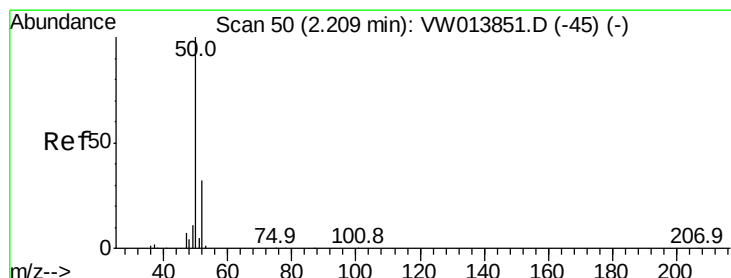
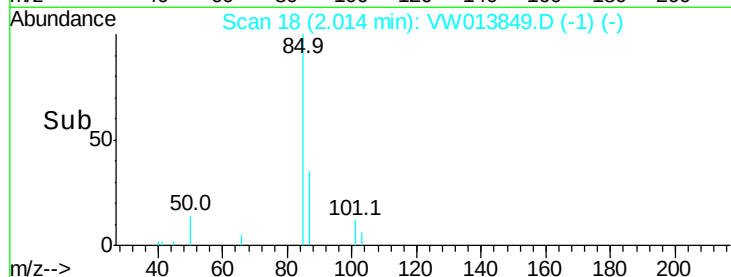
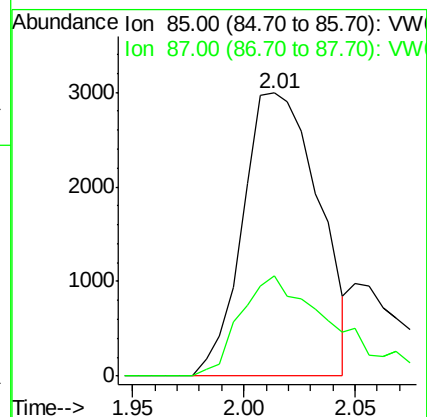
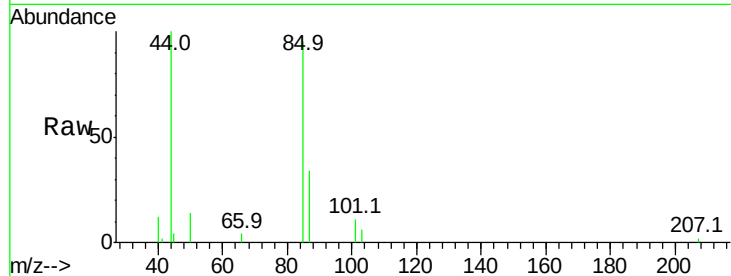
VSTD2.504

Tgt Ion: 85 Resp: 7108

Ion Ratio Lower Upper

85 100

87 40.5 22.5 41.7



#3

Chloromethane

Concen: 2.564 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW013849.D

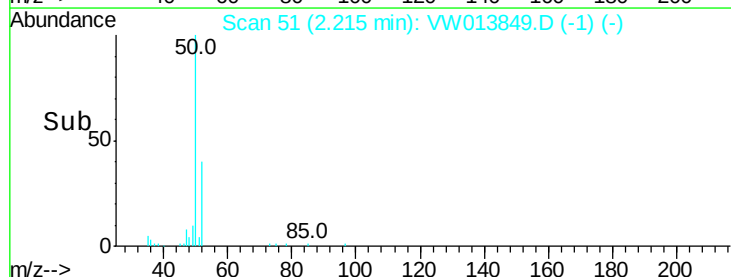
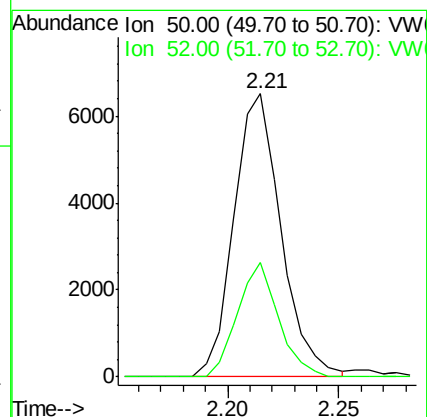
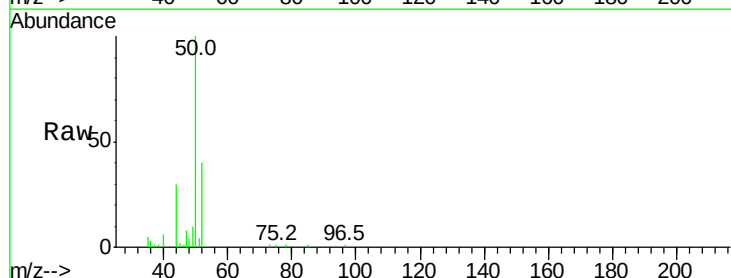
Acq: 31 Oct 2019 10:36

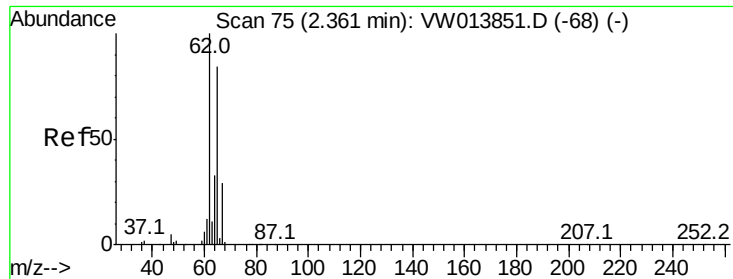
Tgt Ion: 50 Resp: 9588

Ion Ratio Lower Upper

50 100

52 40.3 22.5 41.9





#5

Vinyl chloride

Concen: 3.007 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW013849.D

Acq: 31 Oct 2019 10:36

Instrument :

MSVOA_W

ClientSampleId :

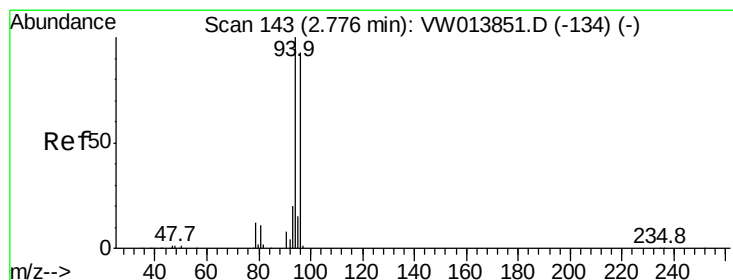
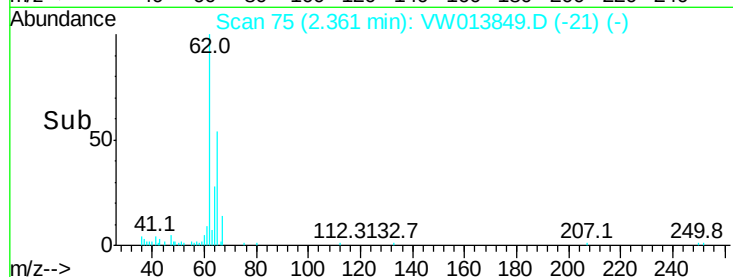
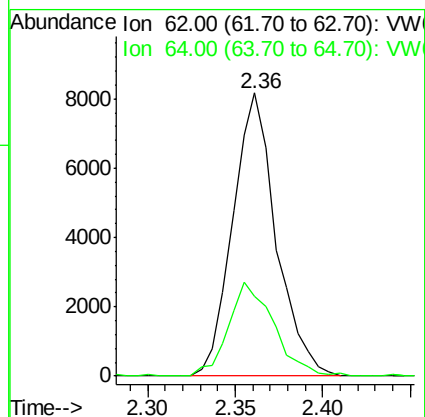
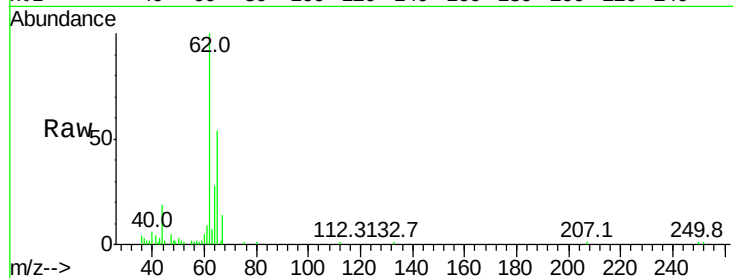
VSTD2.504

Tgt Ion: 62 Resp: 14051

Ion Ratio Lower Upper

62 100

64 28.2 23.3 43.3



#6

Bromomethane

Concen: 2.501 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW013849.D

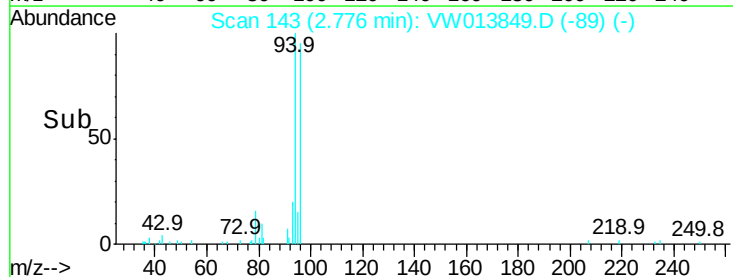
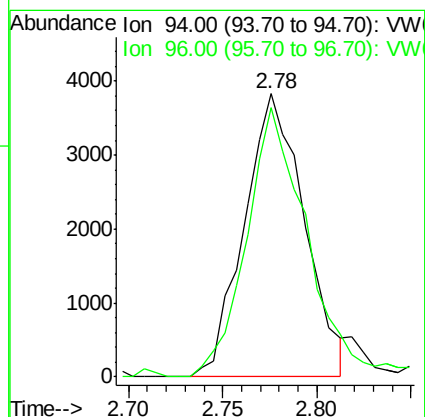
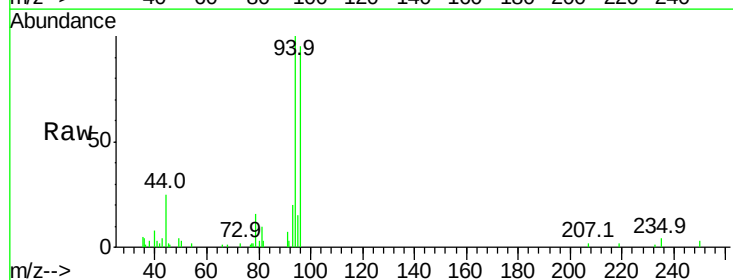
Acq: 31 Oct 2019 10:36

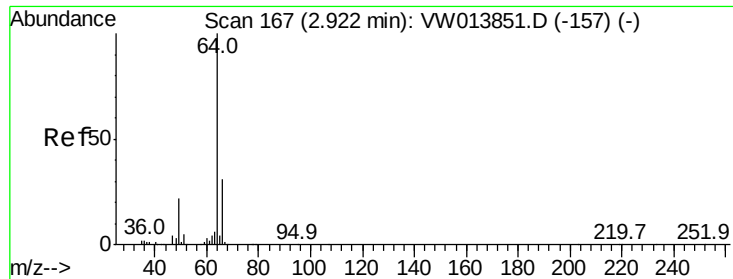
Tgt Ion: 94 Resp: 8446

Ion Ratio Lower Upper

94 100

96 94.6 9.3 177.3





#8

Chloroethane

Concen: 2.421 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW013849.D

Acq: 31 Oct 2019 10:36

Instrument :

MSVOA_W

ClientSampleId :

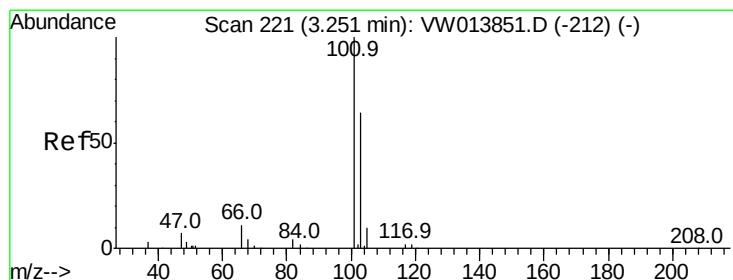
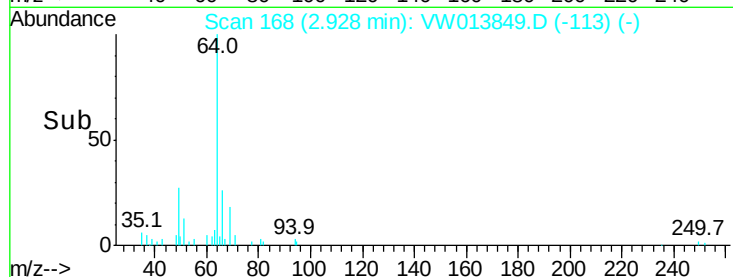
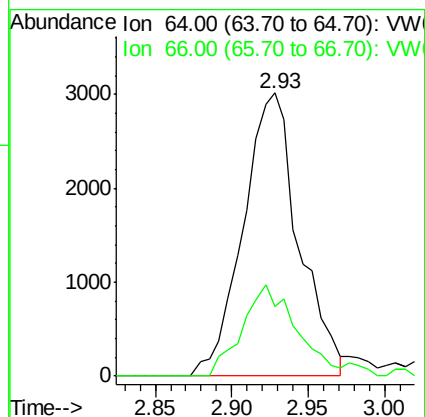
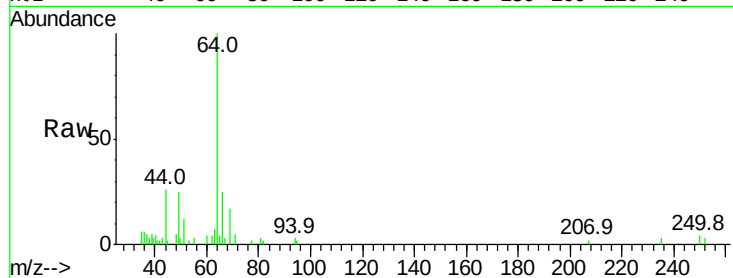
VSTD2.504

Tgt Ion: 64 Resp: 7645

Ion Ratio Lower Upper

64 100

66 24.7 22.0 41.0



#9

Trichlorofluoromethane

Concen: 1.833 ug/L

RT: 3.25 min Scan# 221

Delta R.T. 0.00 min

Lab File: VW013849.D

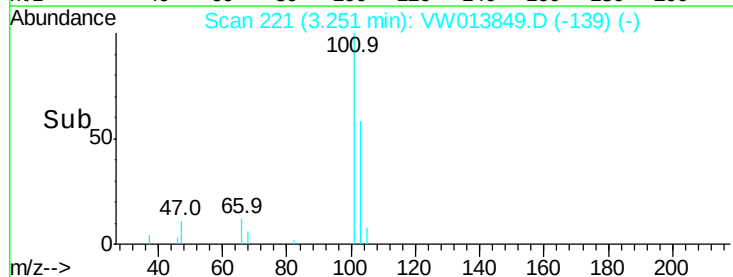
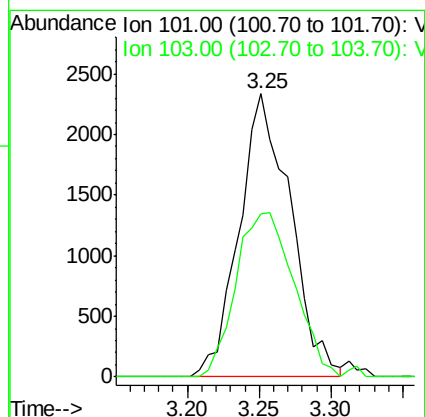
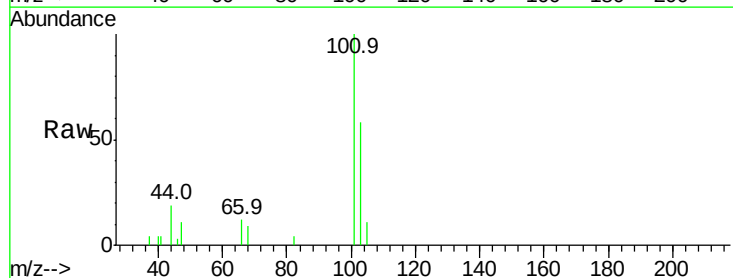
Acq: 31 Oct 2019 10:36

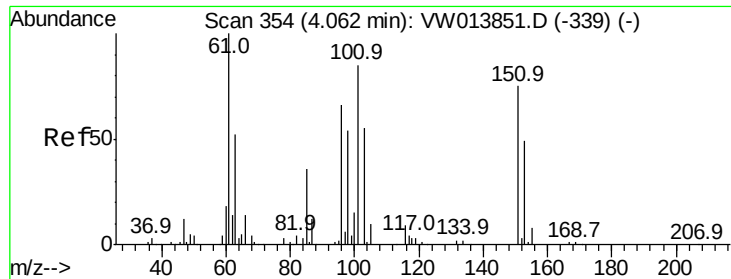
Tgt Ion: 101 Resp: 5772

Ion Ratio Lower Upper

101 100

103 65.8 45.8 85.0





#11

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

Concen: 0.904 ug/L

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW013849.D

Acq: 31 Oct 2019 10:36

Instrument :

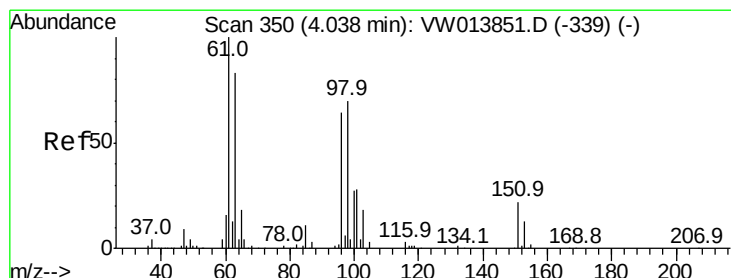
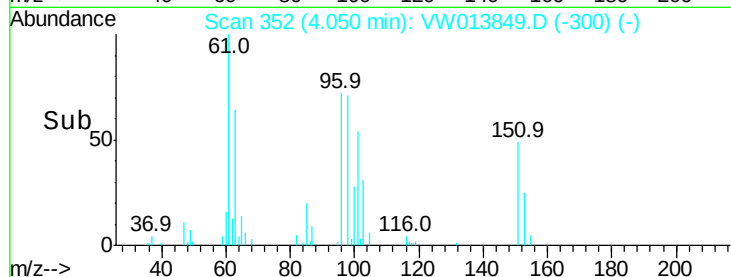
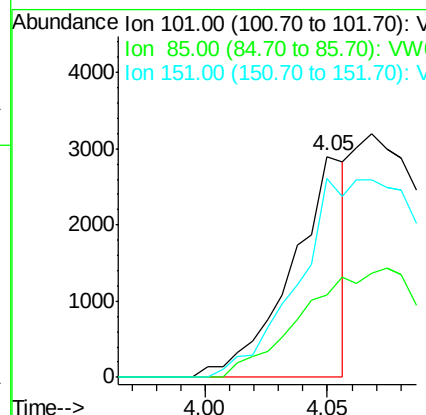
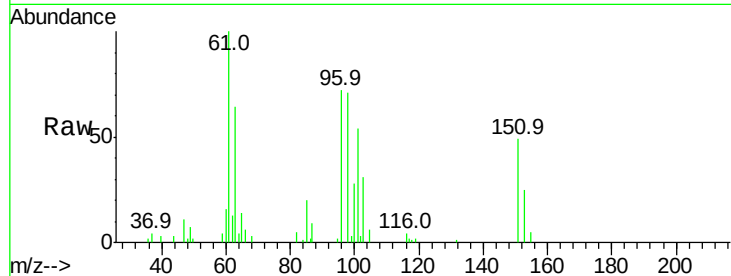
MSVOA_W

ClientSampleId :

VSTD2.504

Tgt Ion: 101 Resp: 4483

Ion	Ratio	Lower	Upper
101	100		
85	119.9	32.6	48.8#
151	81.4	68.2	102.4



#12

1,1-Dichloroethene

Concen: 2.615 ug/L

RT: 4.04 min Scan# 351

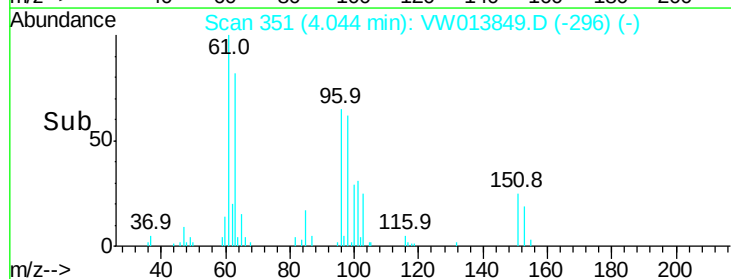
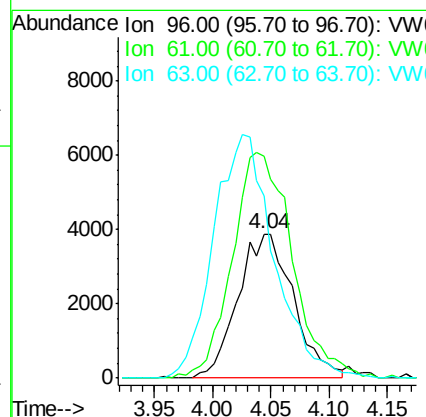
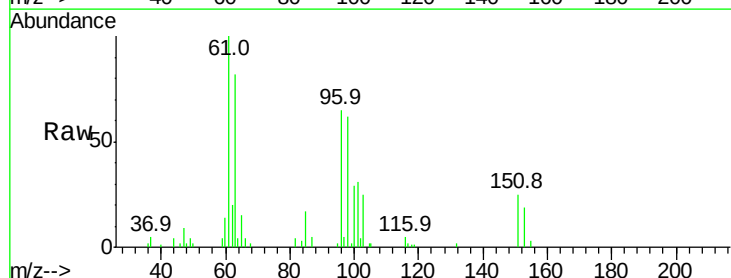
Delta R.T. 0.01 min

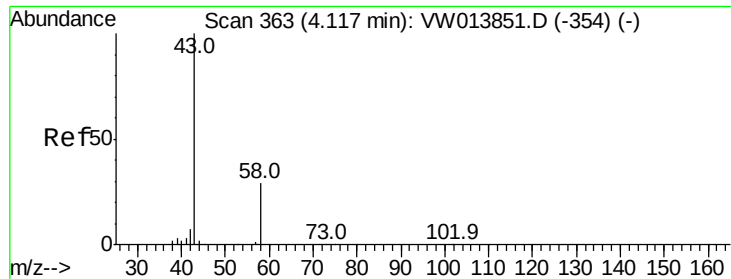
Lab File: VW013849.D

Acq: 31 Oct 2019 10:36

Tgt Ion: 96 Resp: 12762

Ion	Ratio	Lower	Upper
96	100		
61	153.9	110.4	205.0
63	125.9	95.5	177.3





#13

Acetone

Concen: 7.396 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW013849.D

Acq: 31 Oct 2019 10:36

Instrument :

MSVOA_W

ClientSampleId :

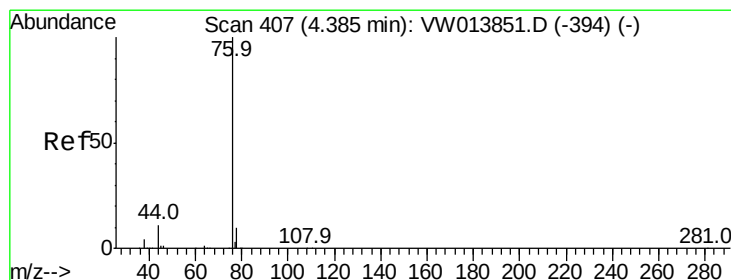
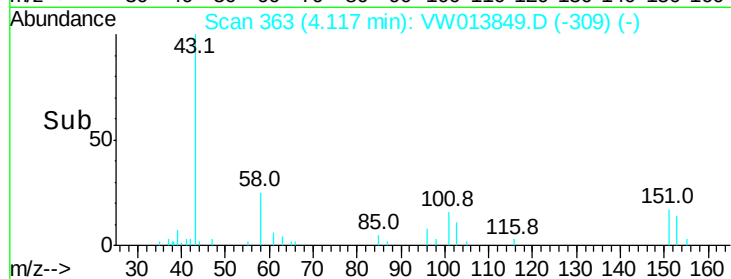
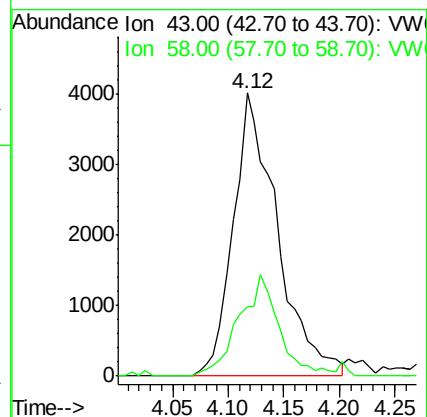
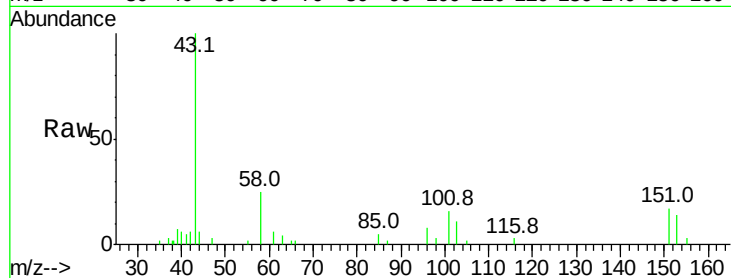
VSTD2.504

Tgt Ion: 43 Resp: 11063

Ion Ratio Lower Upper

43 100

58 31.8 0.0 63.4



#14

Carbon disulfide

Concen: 2.672 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW013849.D

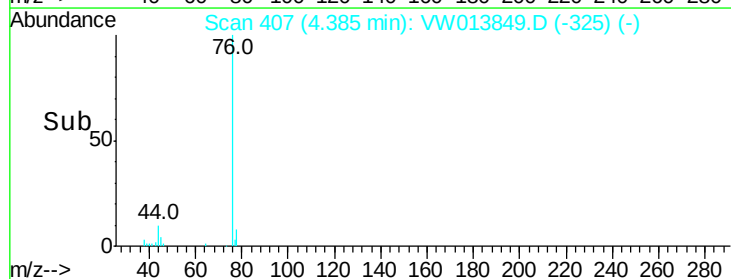
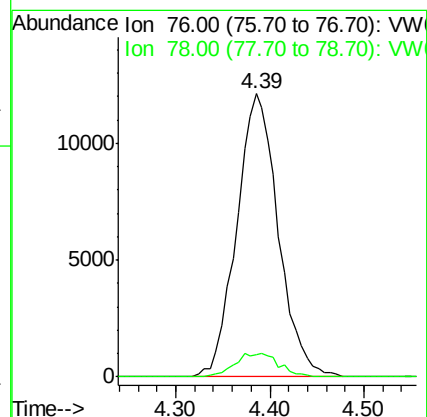
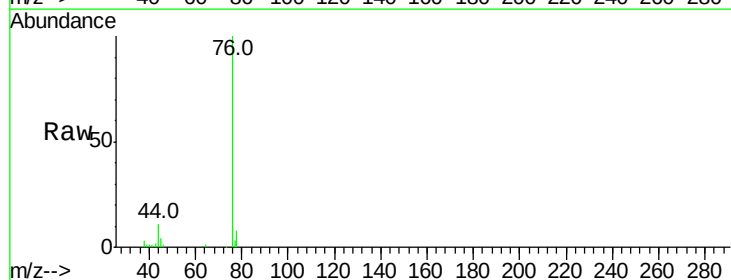
Acq: 31 Oct 2019 10:36

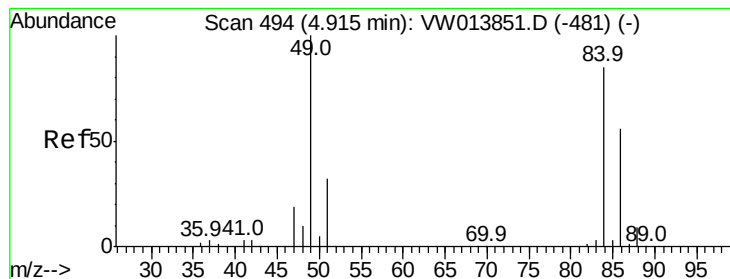
Tgt Ion: 76 Resp: 37313

Ion Ratio Lower Upper

76 100

78 7.9 7.8 11.6





#16

Methylene chloride

Concen: 2.410 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW013849.D

Acq: 31 Oct 2019 10:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.504

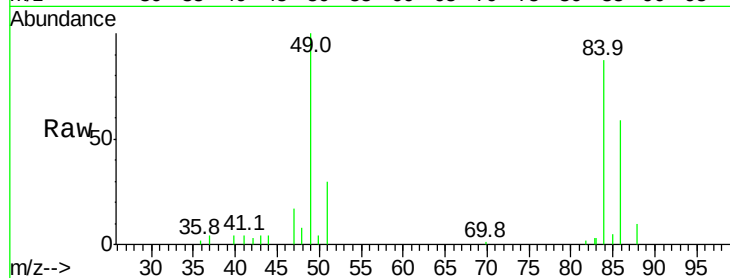
Tgt Ion: 84 Resp: 14176

Ion Ratio Lower Upper

84 100

49 115.0 82.2 152.6

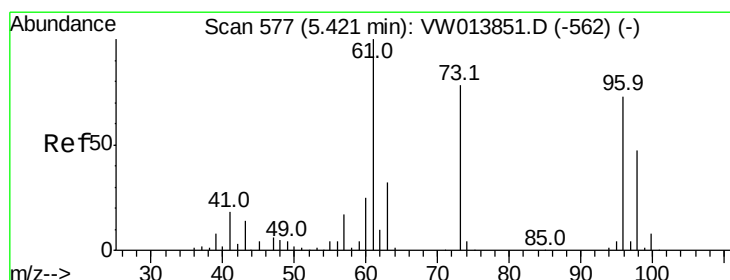
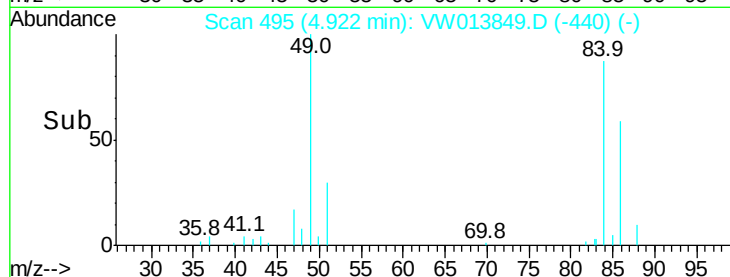
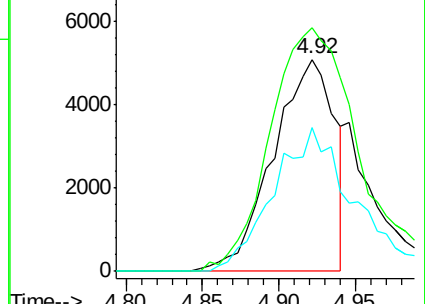
86 67.6 45.6 84.8



Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW



#17

Methyl tert-butyl Ether

Concen: 2.323 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW013849.D

Acq: 31 Oct 2019 10:36

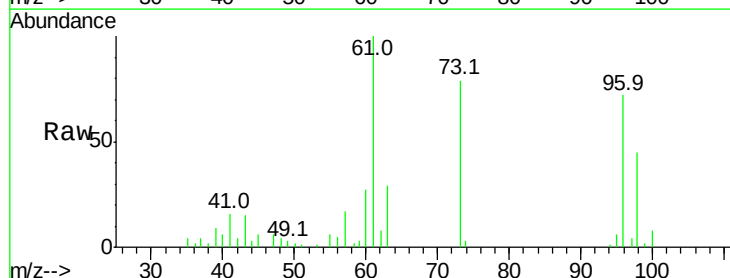
Tgt Ion: 73 Resp: 15689

Ion Ratio Lower Upper

73 100

43 17.7 15.3 22.9

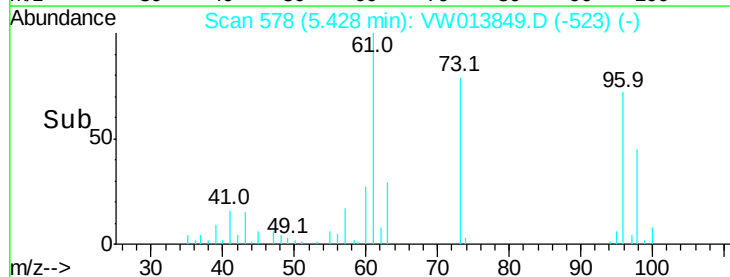
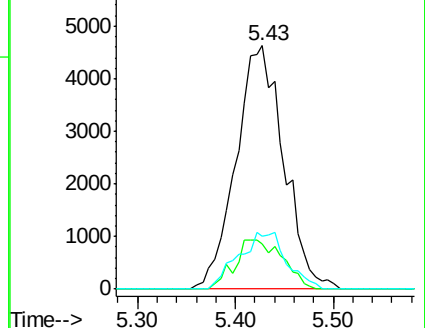
57 1.8 9.4 14.2#

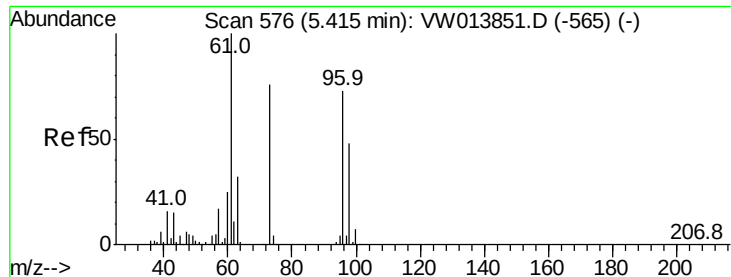


Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 57.00 (56.70 to 57.70): VW





#18

trans-1,2-Dichloroethene

Concen: 2.493 ug/L

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW013849.D

Acq: 31 Oct 2019 10:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.504

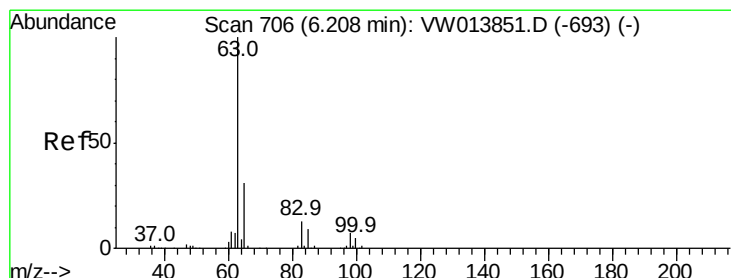
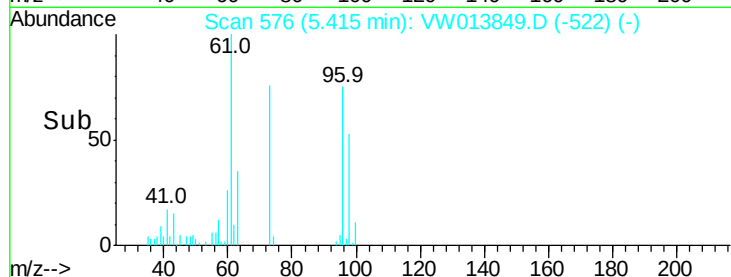
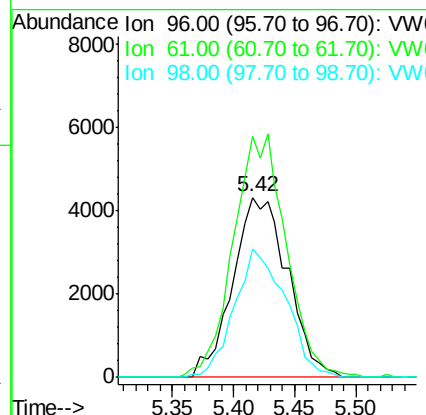
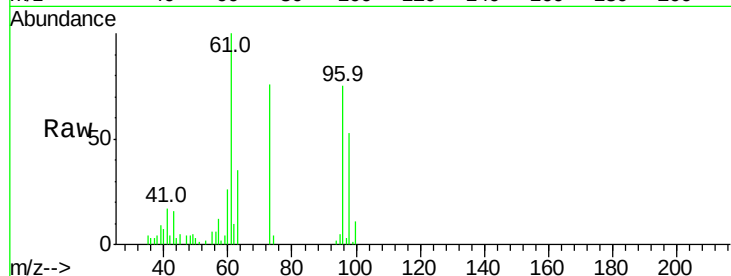
Tgt Ion: 96 Resp: 13453

Ion Ratio Lower Upper

96 100

61 133.9 95.5 177.4

98 71.5 45.4 84.4



#19

1,1-Dichloroethane

Concen: 2.576 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW013849.D

Acq: 31 Oct 2019 10:36

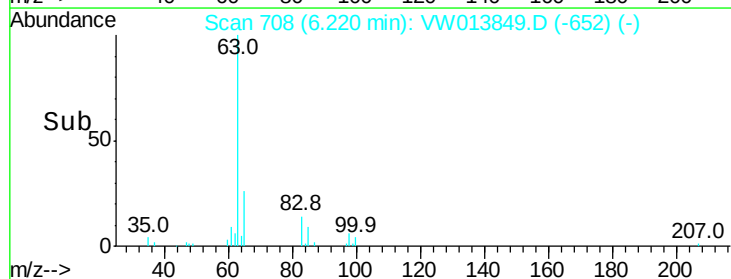
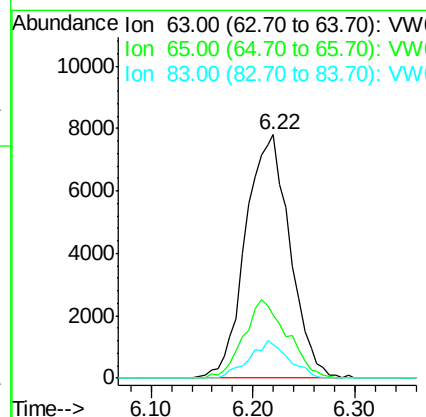
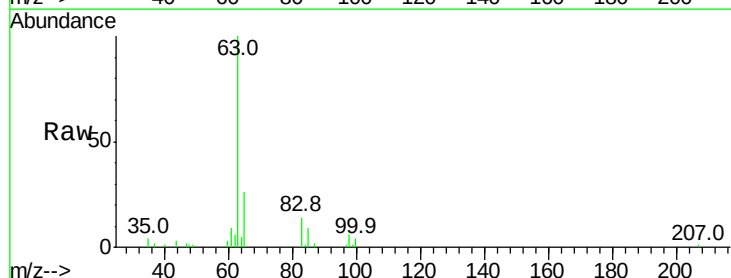
Tgt Ion: 63 Resp: 23523

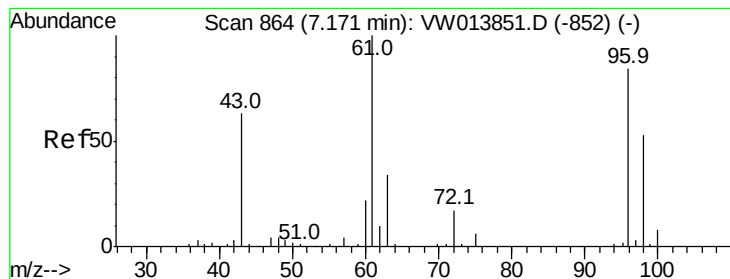
Ion Ratio Lower Upper

63 100

65 25.7 22.0 40.8

83 13.8 9.1 16.9





#21

2-Butanone

Concen: 7.000 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW013849.D

Acq: 31 Oct 2019 10:36

Instrument :

MSVOA_W

ClientSampleId :

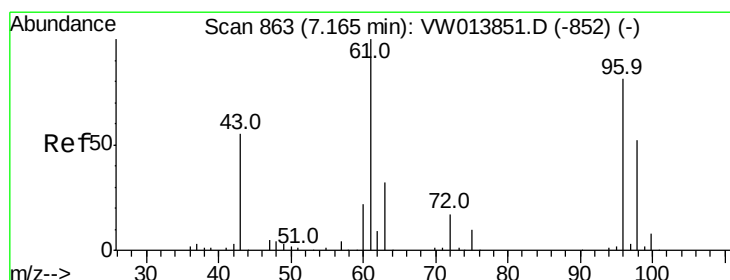
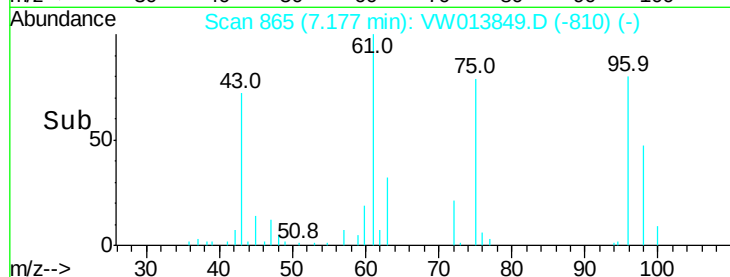
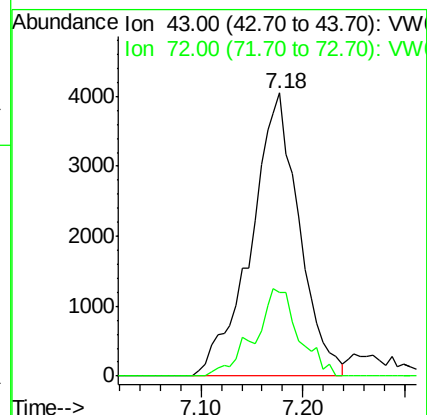
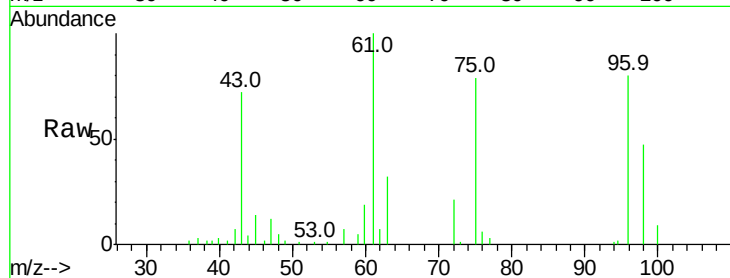
VSTD2.504

Tgt Ion: 43 Resp: 13295

Ion Ratio Lower Upper

43 100

72 13.9 14.0 41.9#



#22

cis-1,2-Dichloroethene

Concen: 2.447 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013849.D

Acq: 31 Oct 2019 10:36

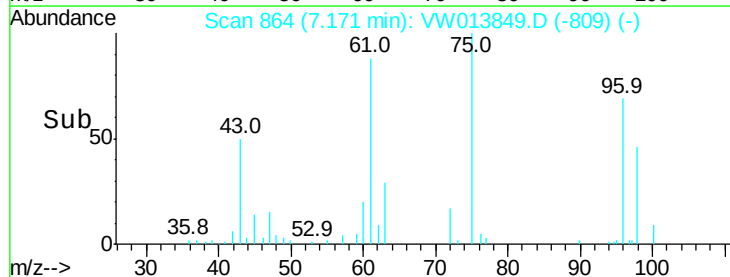
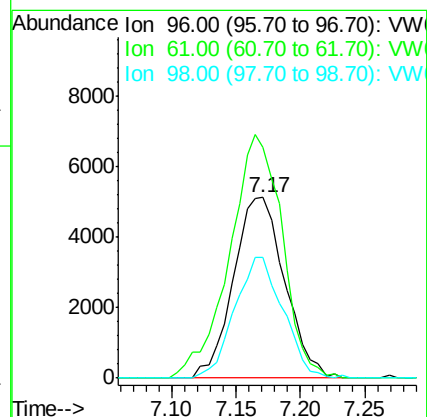
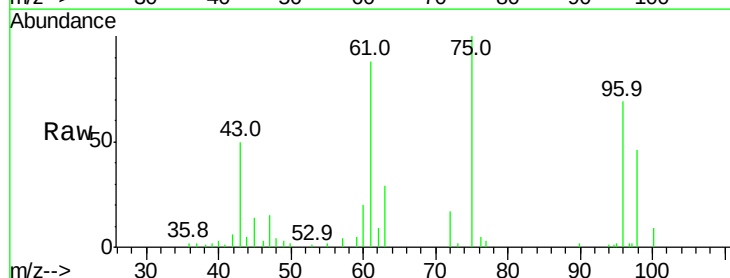
Tgt Ion: 96 Resp: 14171

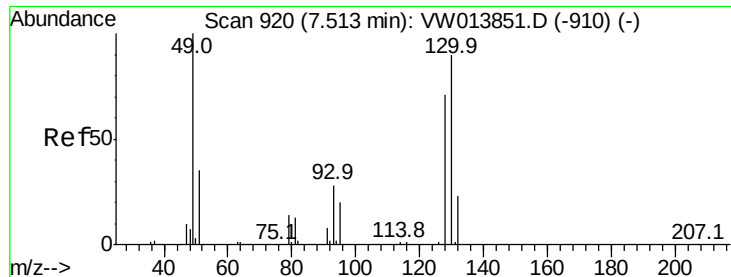
Ion Ratio Lower Upper

96 100

61 128.1 86.6 160.8

98 66.9 44.5 82.7

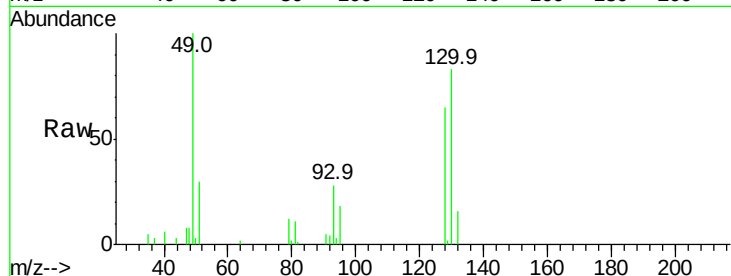




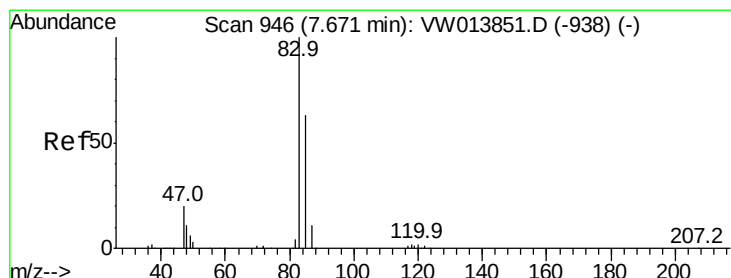
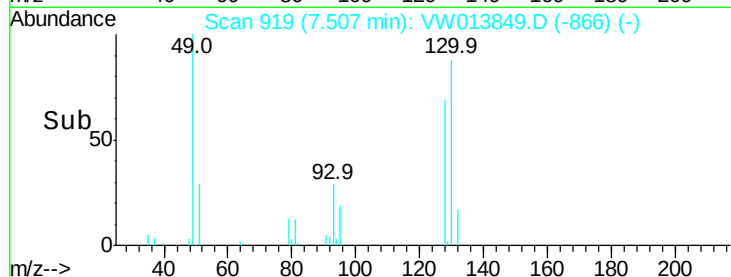
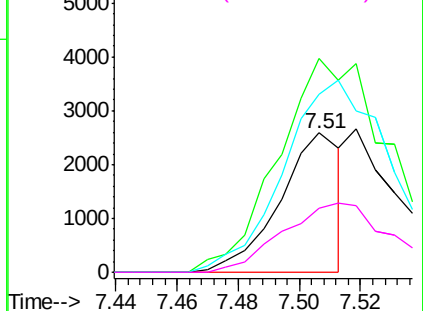
#23
Bromochloromethane
Concen: 1.386 ug/L
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW013849.D
Acq: 31 Oct 2019 10:36

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.504

Tgt Ion: 128 Resp: 3628
Ion Ratio Lower Upper
128 100
49 153.7 99.1 184.1
130 127.8 88.8 164.8
51 46.0 39.6 59.4

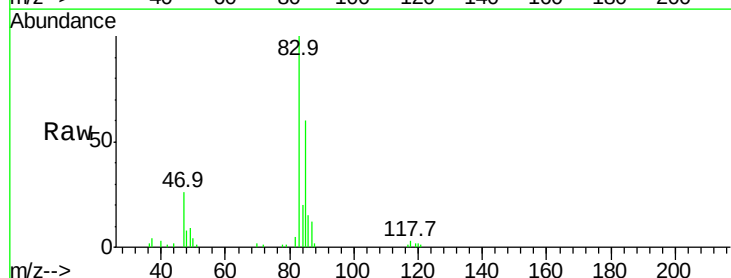


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): V
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): V

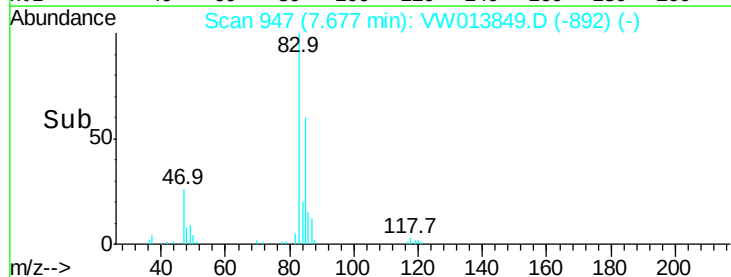
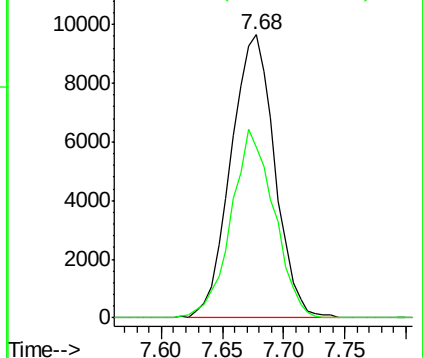


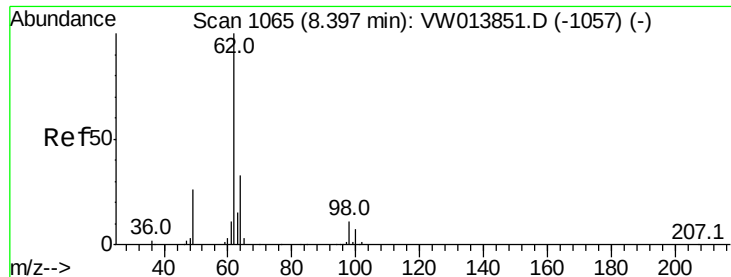
#25
Chloroform
Concen: 2.619 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW013849.D
Acq: 31 Oct 2019 10:36

Tgt Ion: 83 Resp: 24026
Ion Ratio Lower Upper
83 100
85 65.2 46.2 85.8



Abundance Ion 83.00 (82.70 to 83.70): V
Ion 85.00 (84.70 to 85.70): V

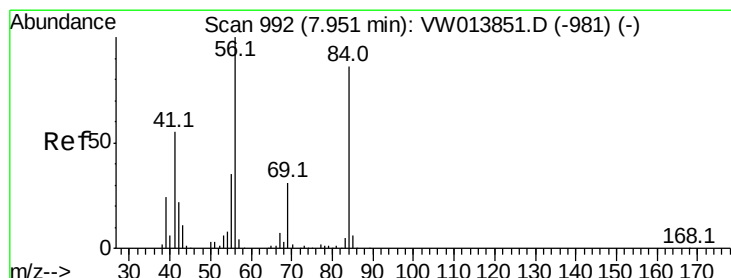
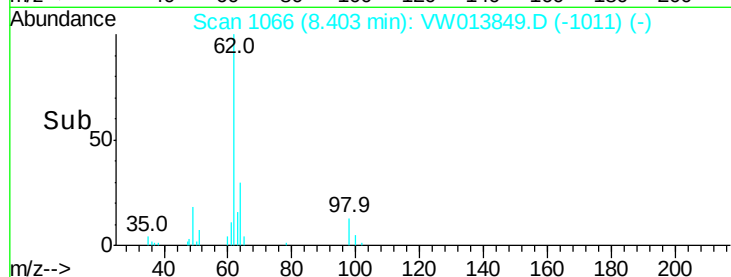
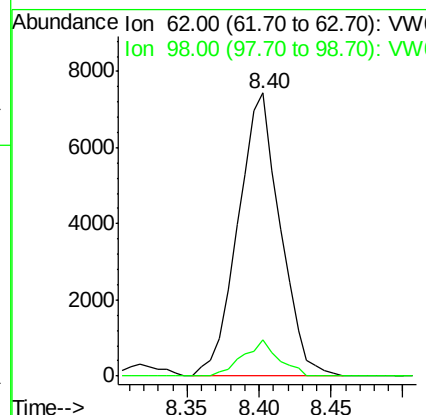
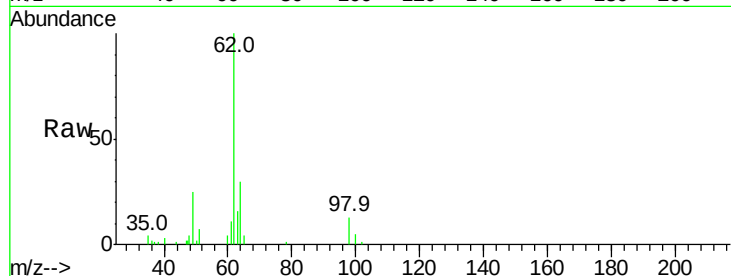




#27
 1,2-Dichloroethane
 Concen: 2.578 ug/L
 RT: 8.40 min Scan# 1066
 Delta R.T. 0.01 min
 Lab File: VW013849.D
 Acq: 31 Oct 2019 10:36

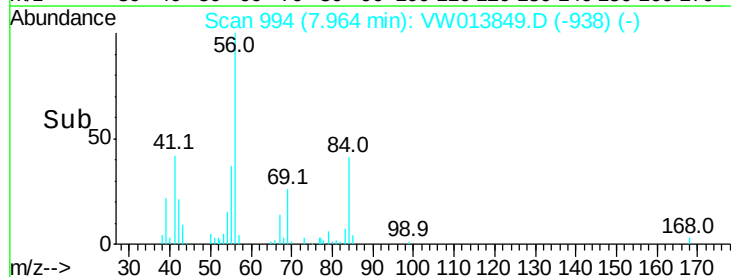
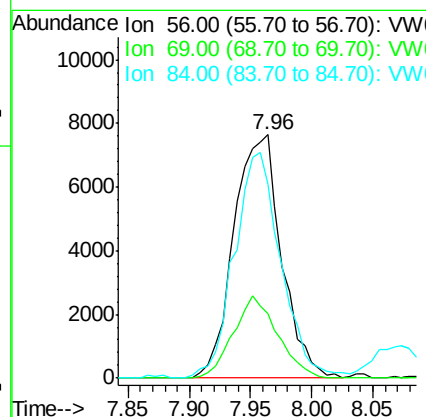
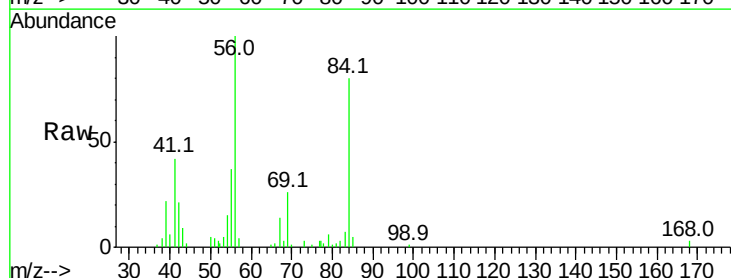
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.504

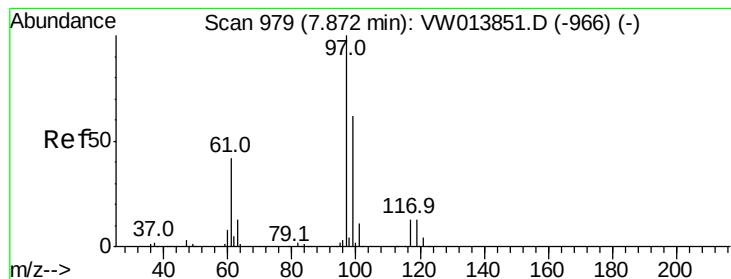
Tgt Ion: 62 Resp: 15159
 Ion Ratio Lower Upper
 62 100
 98 12.7 8.6 12.8



#30
 Cyclohexane
 Concen: 2.310 ug/L
 RT: 7.96 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VW013849.D
 Acq: 31 Oct 2019 10:36

Tgt Ion: 56 Resp: 20654
 Ion Ratio Lower Upper
 56 100
 69 31.5 24.6 36.8
 84 90.8 70.2 105.4





#31

1,1,1-Trichloroethane

Concen: 2.521 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW013849.D

Acq: 31 Oct 2019 10:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.504

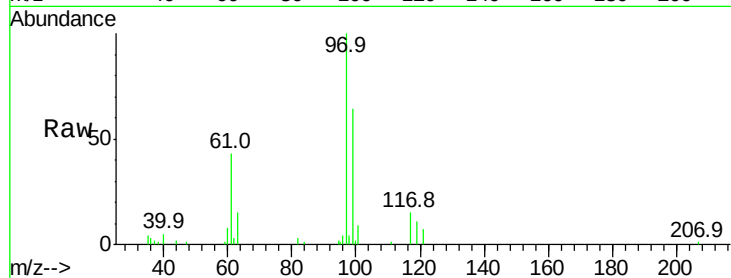
Tgt Ion: 97 Resp: 17945

Ion Ratio Lower Upper

97 100

99 65.2 51.3 76.9

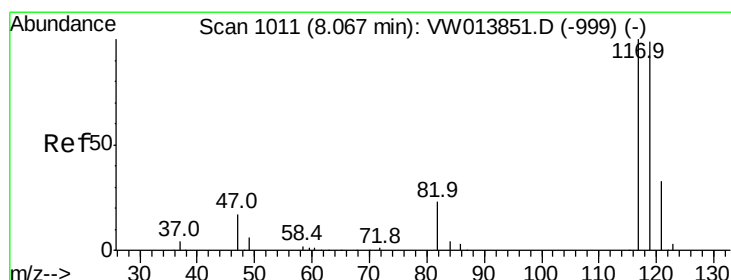
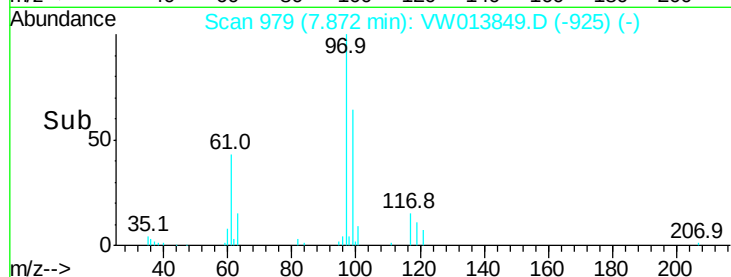
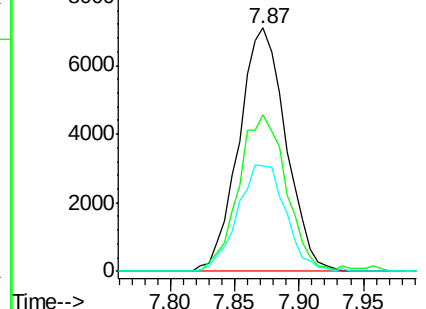
61 44.7 33.6 50.4



Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 61.00 (60.70 to 61.70): VW



#32

Carbon tetrachloride

Concen: 2.497 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW013849.D

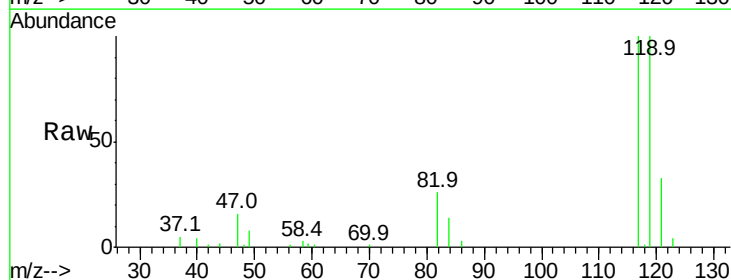
Acq: 31 Oct 2019 10:36

Tgt Ion: 117 Resp: 17302

Ion Ratio Lower Upper

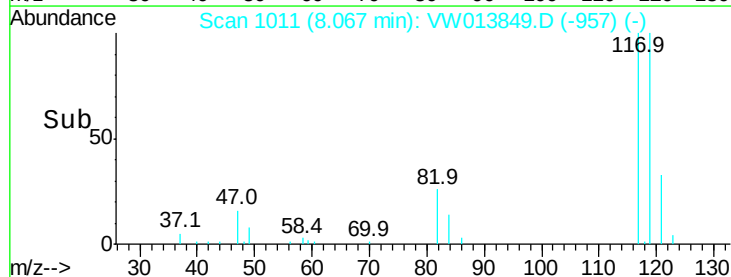
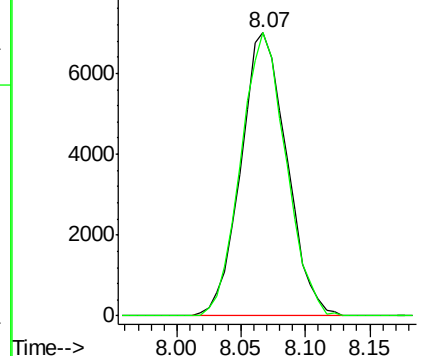
117 100

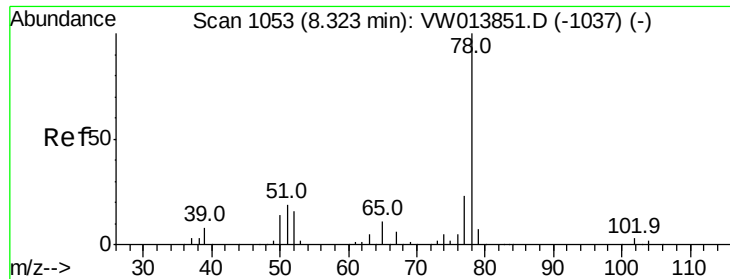
119 98.4 75.8 113.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V





#34

Benzene

Concen: 2.429 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW013849.D

Acq: 31 Oct 2019 10:36

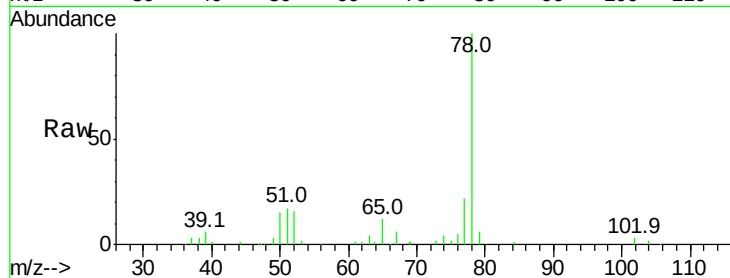
Instrument :

MSVOA_W

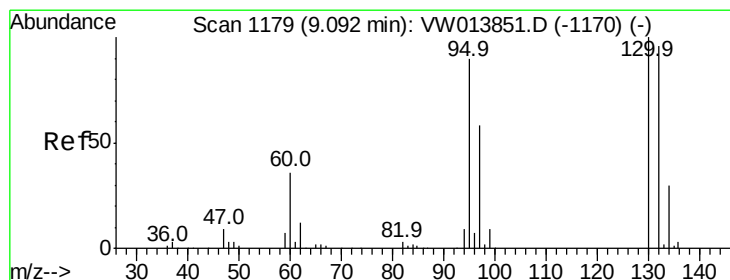
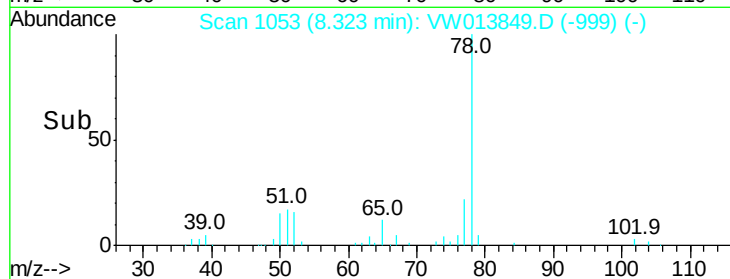
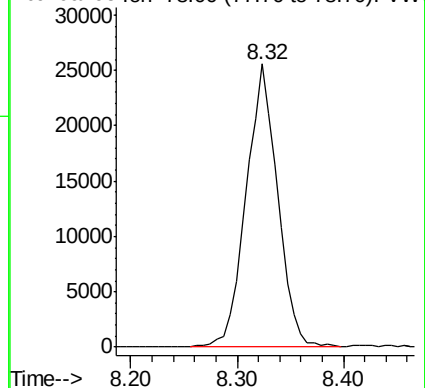
ClientSampleId :

VSTD2.504

Tgt Ion: 78 Resp: 53184



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 2.562 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW013849.D

Acq: 31 Oct 2019 10:36

Tgt Ion: 95 Resp: 14391

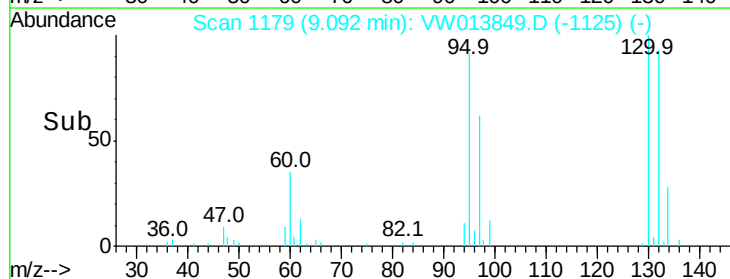
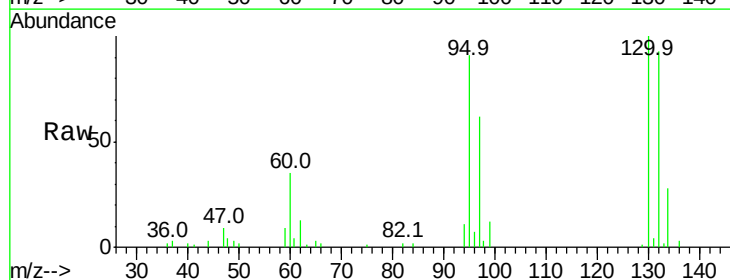
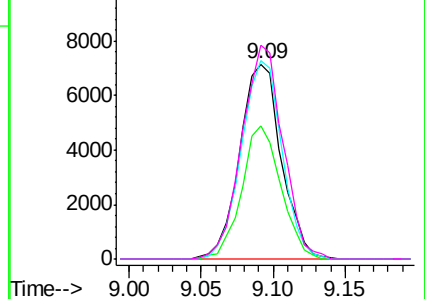
Ion	Ratio	Lower	Upper
95	100		
97	64.1	45.0	83.6
132	99.0	72.4	134.4
130	108.1	76.6	142.3

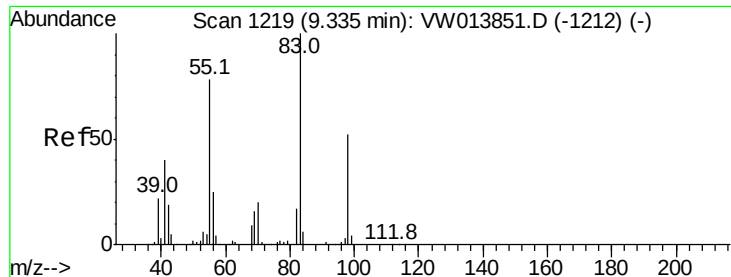
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

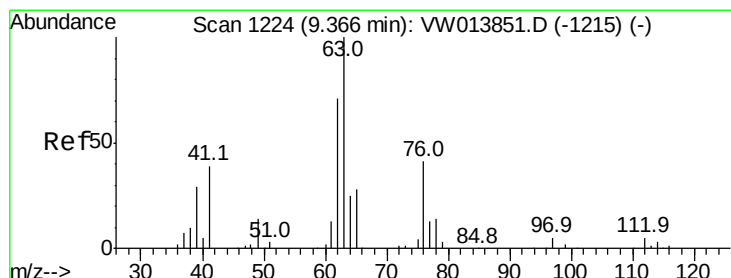
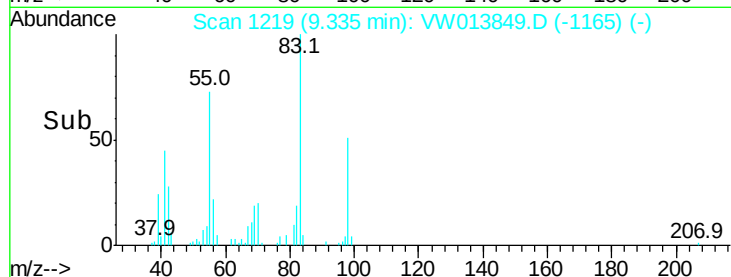
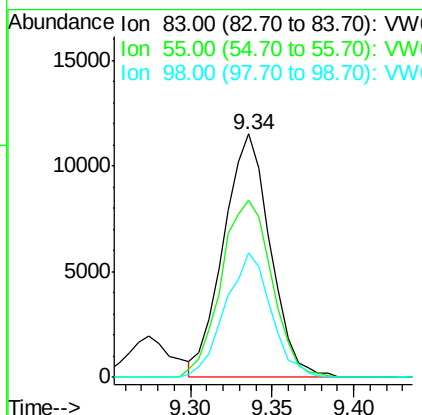
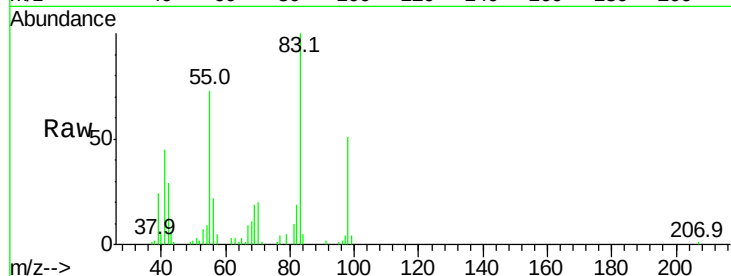




#36
Methylcyclohexane
Concen: 2.321 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW013849.D
Acq: 31 Oct 2019 10:36

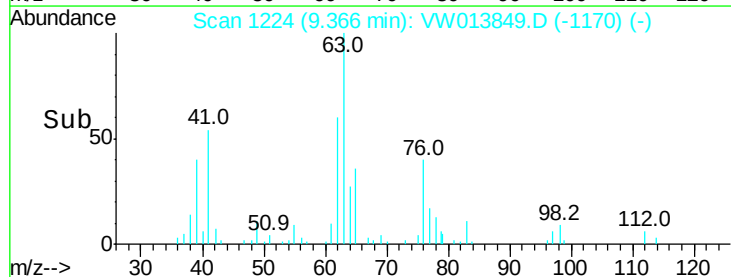
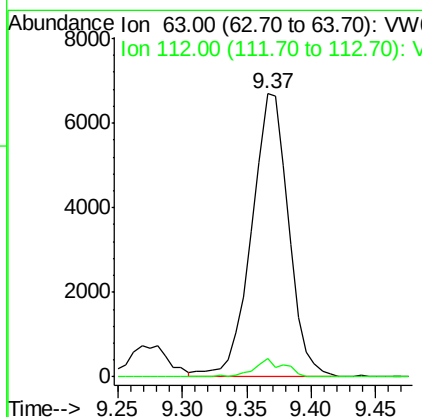
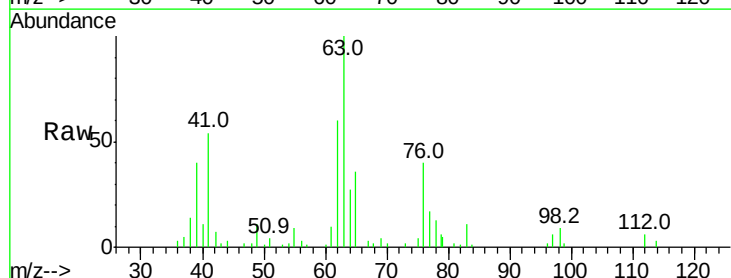
Instrument :
MSVOA_W
ClientSampled :
VSTD2.504

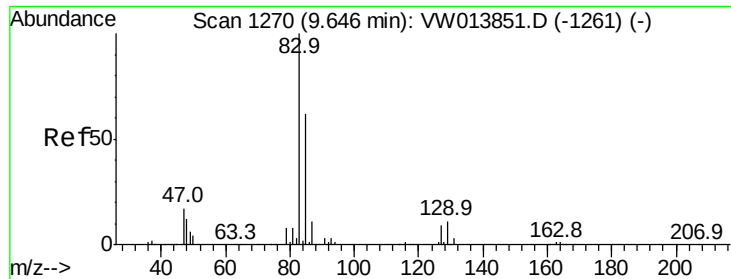
Tgt Ion: 83 Resp: 22978
Ion Ratio Lower Upper
83 100
55 79.0 60.3 90.5
98 49.8 39.4 59.2



#40
1,2-Dichloropropane
Concen: 2.491 ug/L
RT: 9.37 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VW013849.D
Acq: 31 Oct 2019 10:36

Tgt Ion: 63 Resp: 13336
Ion Ratio Lower Upper
63 100
112 3.4 4.1 6.1#





#41

Bromodichloromethane

Concen: 2.449 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW013849.D

Acq: 31 Oct 2019 10:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.504

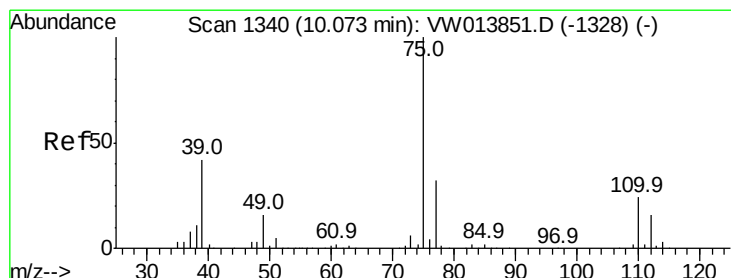
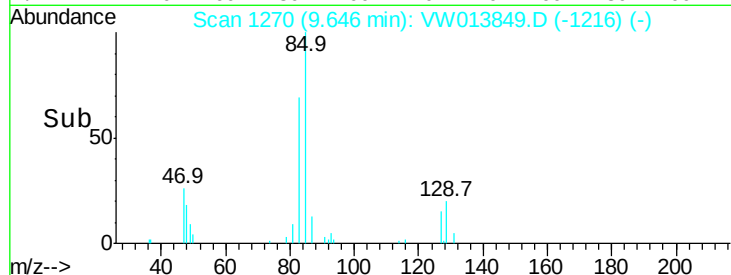
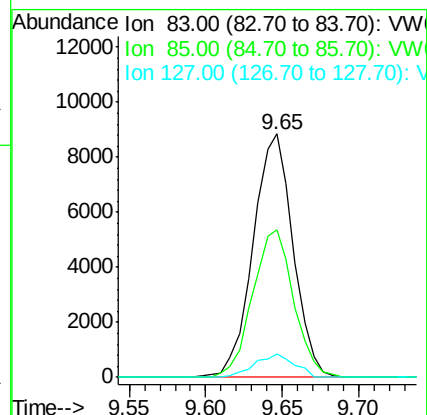
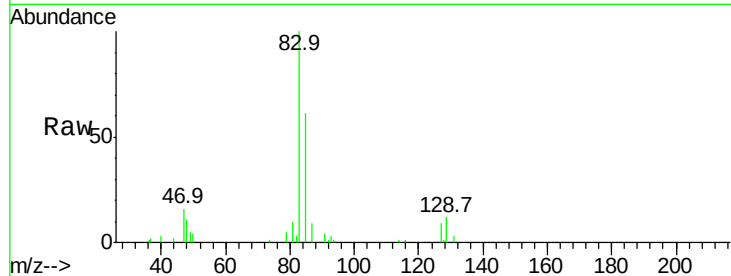
Tgt Ion: 83 Resp: 16061

Ion Ratio Lower Upper

83 100

85 60.6 43.5 80.7

127 9.4 6.9 10.3



#42

cis-1,3-Dichloropropene

Concen: 2.149 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW013849.D

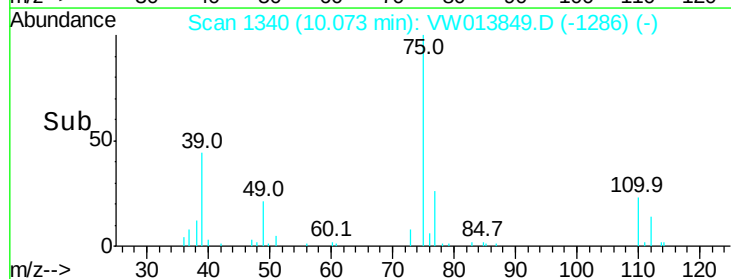
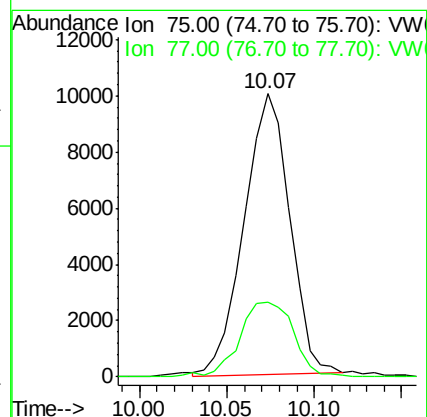
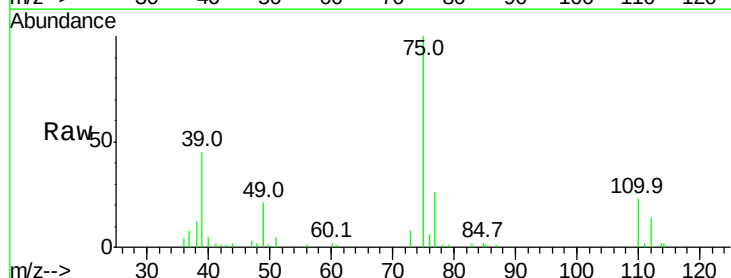
Acq: 31 Oct 2019 10:36

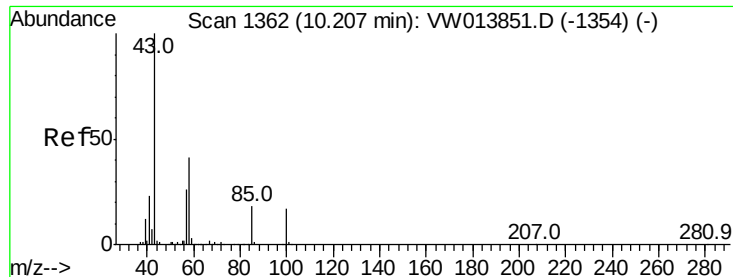
Tgt Ion: 75 Resp: 18159

Ion Ratio Lower Upper

75 100

77 26.2 22.1 41.1

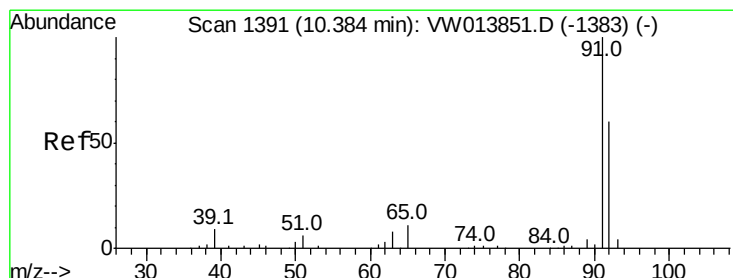
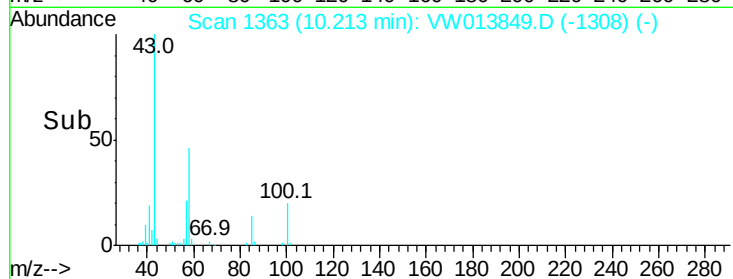
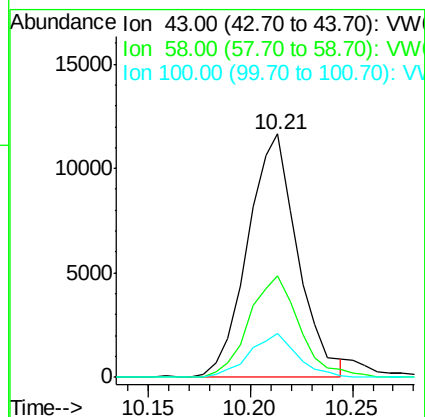
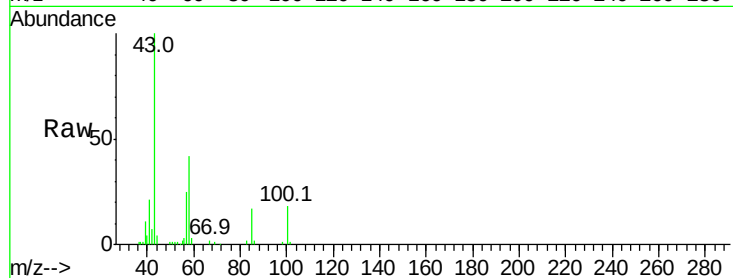




#43
 4-Methyl-2-pentanone
 Concen: 5.438 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.01 min
 Lab File: VW013849.D
 Acq: 31 Oct 2019 10:36

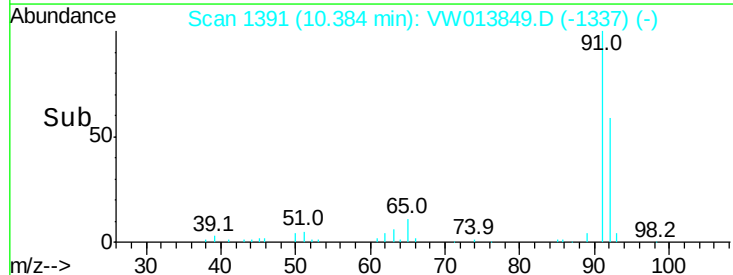
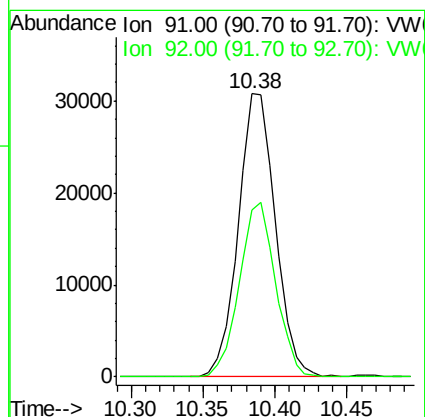
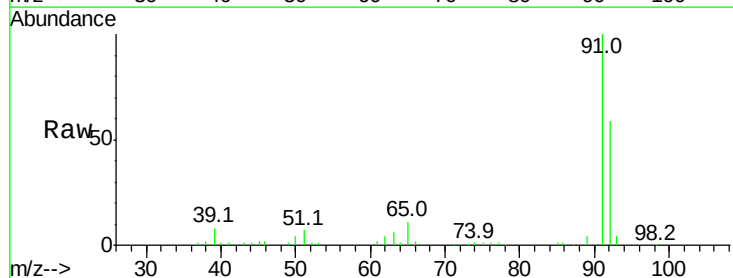
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.504

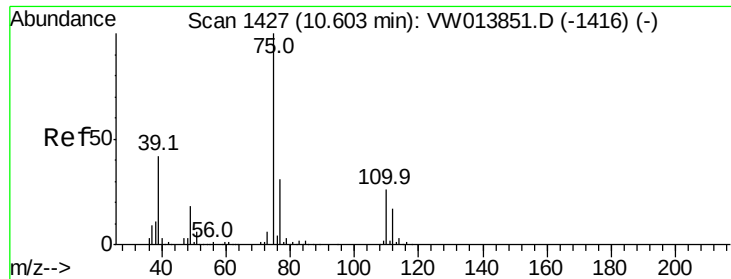
Tgt Ion: 43 Resp: 19861
 Ion Ratio Lower Upper
 43 100
 58 42.1 32.1 48.1
 100 17.1 13.4 20.0



#44
 Toluene
 Concen: 2.343 ug/L
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW013849.D
 Acq: 31 Oct 2019 10:36

Tgt Ion: 91 Resp: 55111
 Ion Ratio Lower Upper
 91 100
 92 59.2 42.0 78.0





#45

trans-1,3-Dichloropropene

Concen: 2.143 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013849.D

Acq: 31 Oct 2019 10:36

Instrument :

MSVOA_W

ClientSampleId :

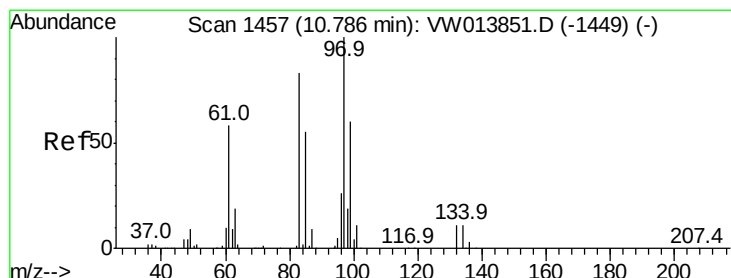
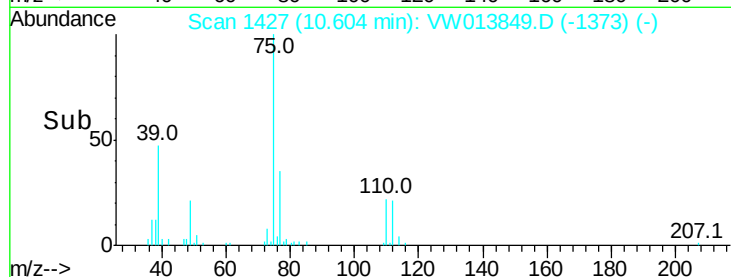
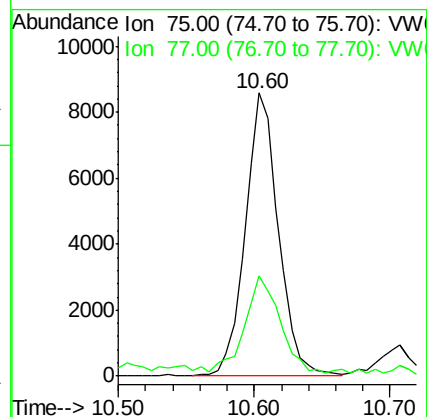
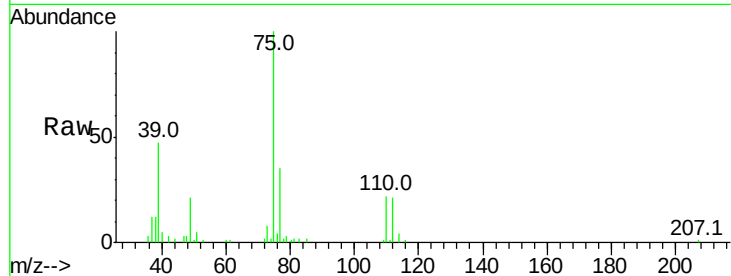
VSTD2.504

Tgt Ion: 75 Resp: 14618

Ion Ratio Lower Upper

75 100

77 35.3 21.9 40.7



#46

1,1,2-Trichloroethane

Concen: 2.561 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW013849.D

Acq: 31 Oct 2019 10:36

Tgt Ion: 97 Resp: 10574

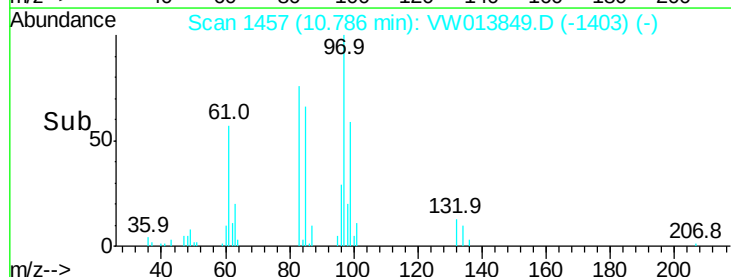
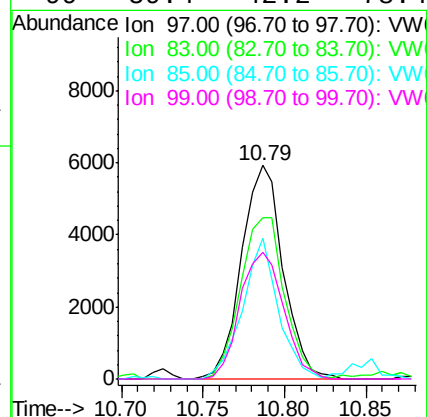
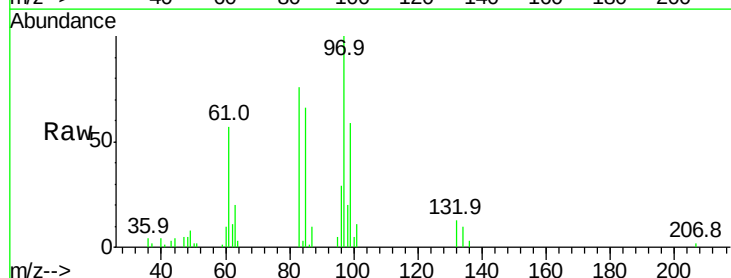
Ion Ratio Lower Upper

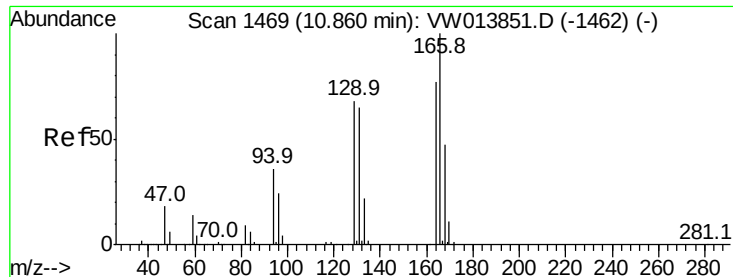
97 100

83 75.6 57.8 107.4

85 65.8 38.3 71.1

99 59.4 42.2 78.4

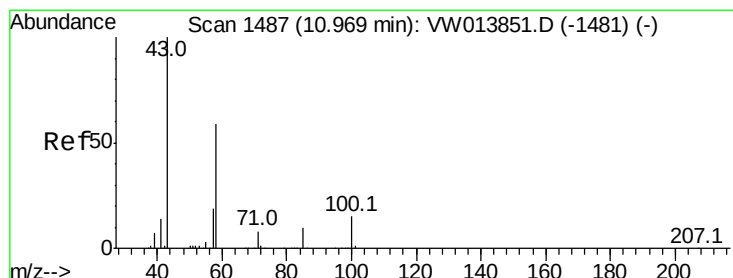
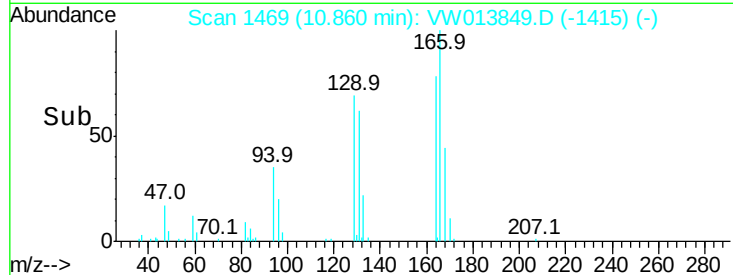
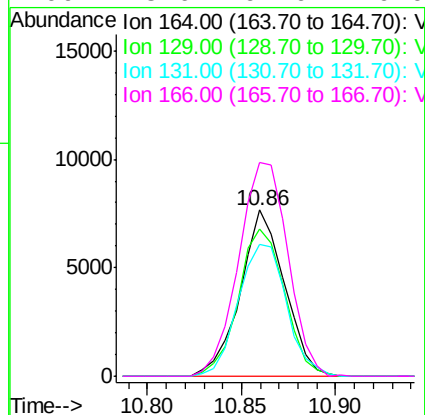
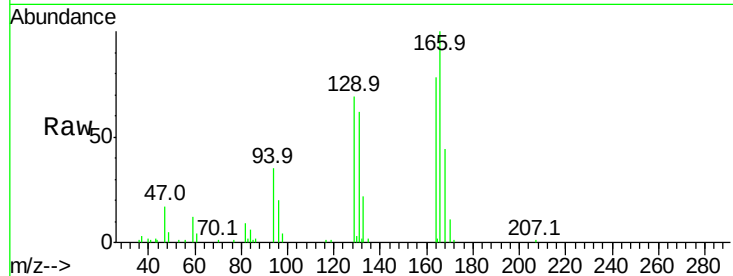




#47
Tetrachloroethene
Concen: 2.436 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013849.D
Acq: 31 Oct 2019 10:36

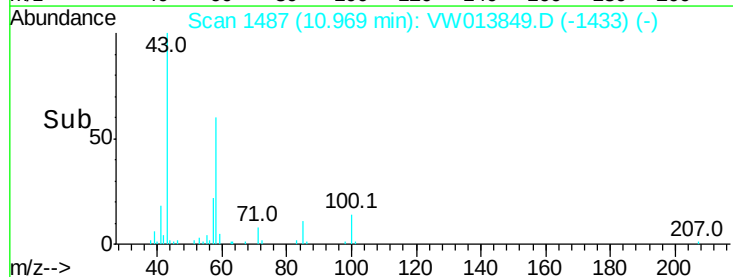
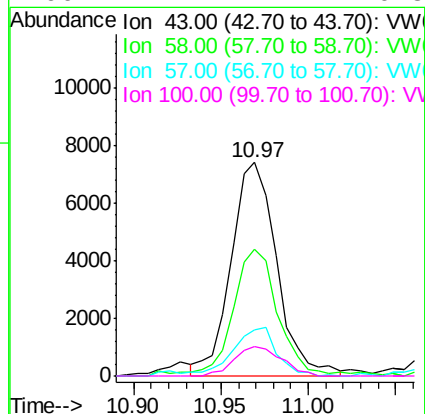
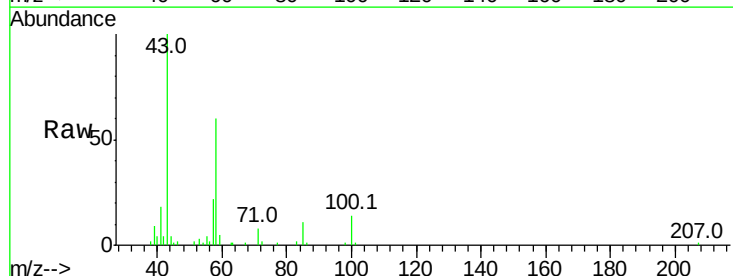
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.504

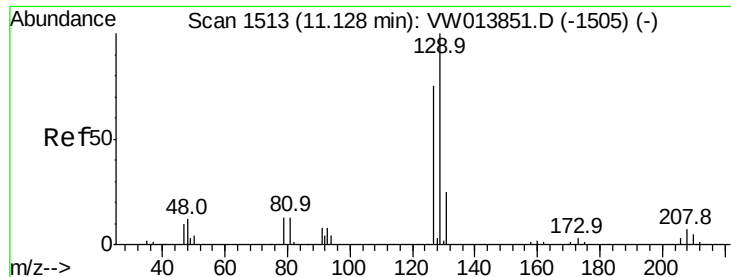
Tgt Ion:164 Resp: 12524
Ion Ratio Lower Upper
164 100
129 88.8 62.5 116.1
131 79.4 59.8 111.0
166 128.6 91.6 170.0



#49
2-Hexanone
Concen: 5.206 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW013849.D
Acq: 31 Oct 2019 10:36

Tgt Ion: 43 Resp: 13490
Ion Ratio Lower Upper
43 100
58 57.8 47.0 70.4
57 21.8 16.0 24.0
100 14.2 11.2 16.8





#50

Dibromochloromethane

Concen: 2.330 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW013849.D

Acq: 31 Oct 2019 10:36

Instrument :

MSVOA_W

ClientSampleId :

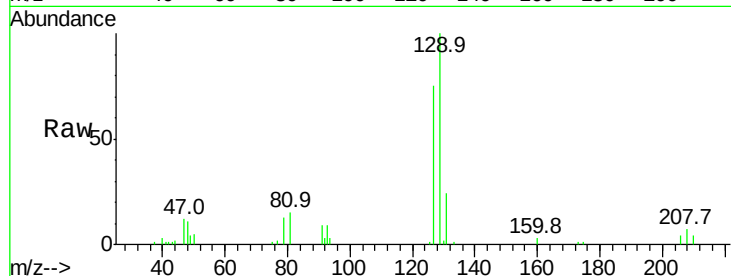
VSTD2.504

Tgt Ion:129 Resp: 11351

Ion Ratio Lower Upper

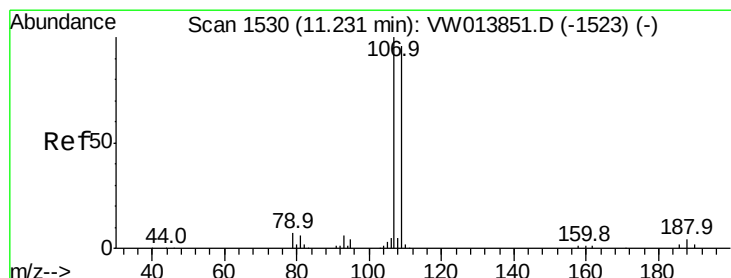
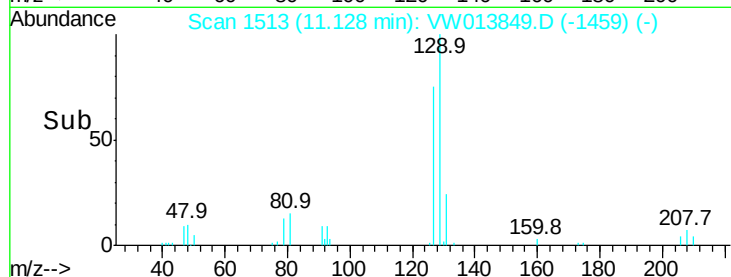
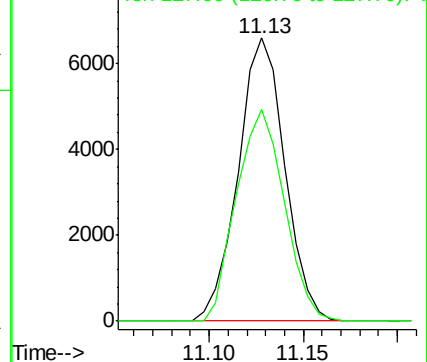
129 100

127 74.9 52.6 97.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#51

1,2-Dibromoethane

Concen: 2.493 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW013849.D

Acq: 31 Oct 2019 10:36

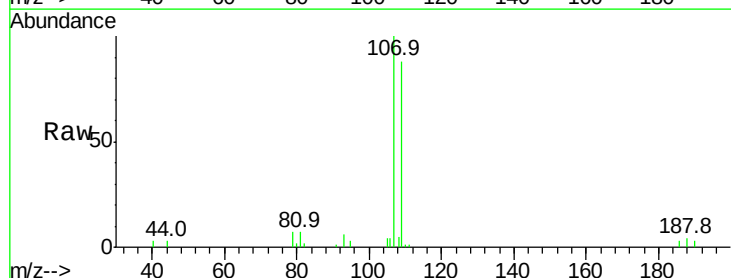
Tgt Ion:107 Resp: 10007

Ion Ratio Lower Upper

107 100

109 88.5 67.3 124.9

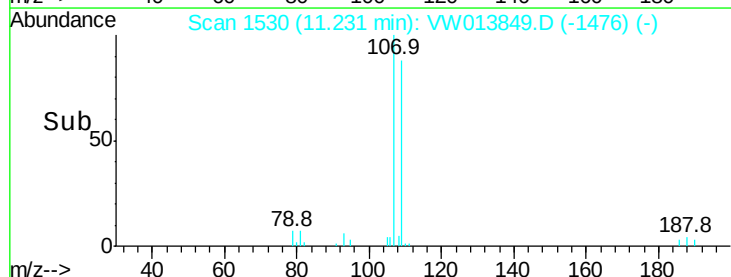
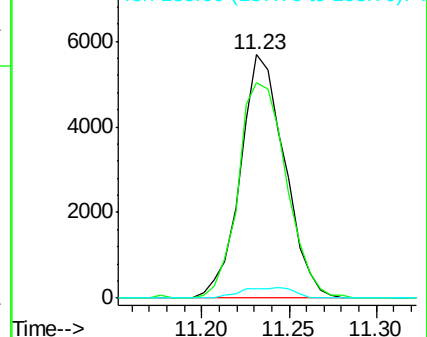
188 3.9 3.5 5.3

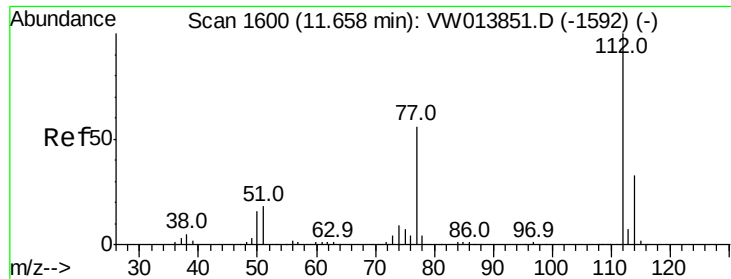


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

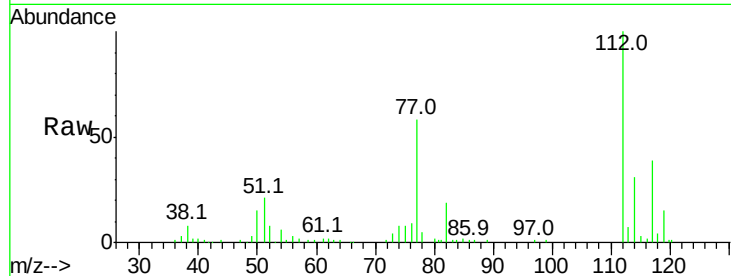




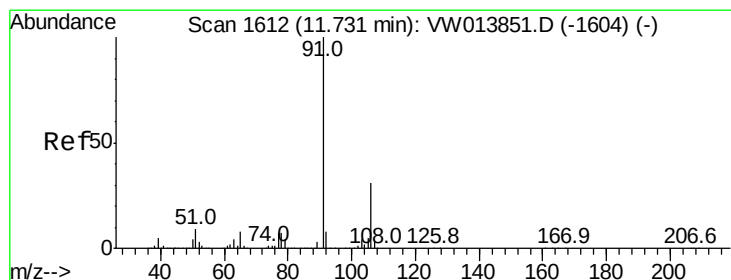
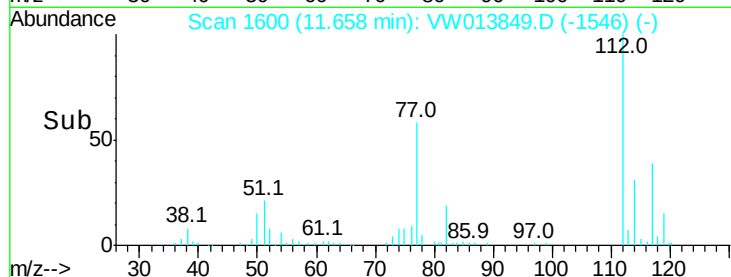
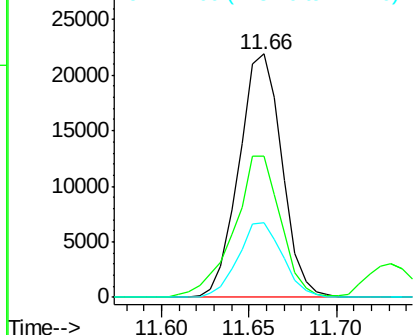
#52
Chlorobenzene
Concen: 2.501 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013849.D
Acq: 31 Oct 2019 10:36

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.504

Tgt Ion: 112 Resp: 37640
Ion Ratio Lower Upper
112 100
77 58.0 44.7 67.1
114 30.8 23.1 42.9

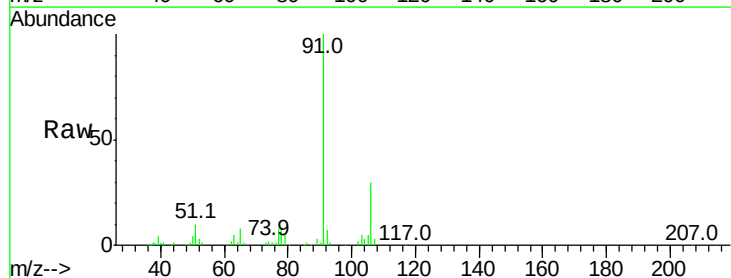


Abundance Ion 112.00 (111.70 to 112.70): VW
Ion 77.00 (76.70 to 77.70): VW
Ion 114.00 (113.70 to 114.70): VW

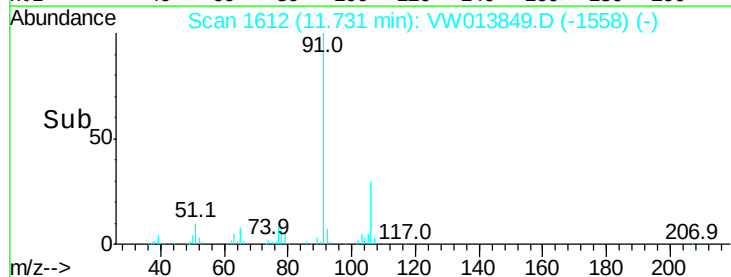
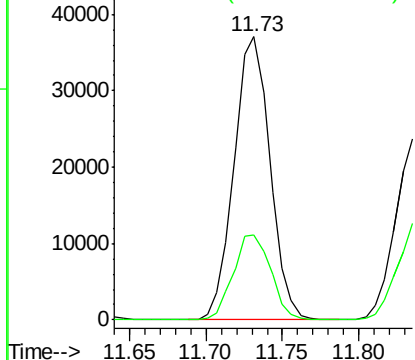


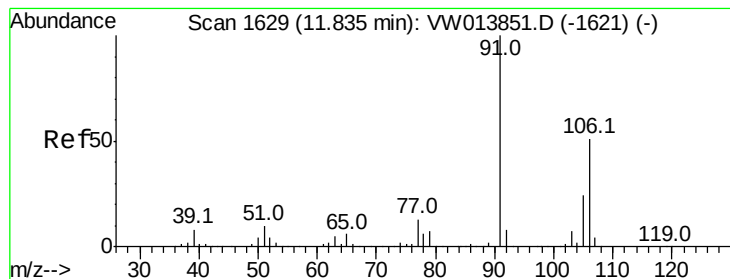
#53
Ethylbenzene
Concen: 2.330 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013849.D
Acq: 31 Oct 2019 10:36

Tgt Ion: 91 Resp: 60554
Ion Ratio Lower Upper
91 100
106 30.2 21.8 40.4



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





#54

m,p-Xylene

Concen: 2.373 ug/L

RT: 11.84 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VW013849.D

Acq: 31 Oct 2019 10:36

Instrument :

MSVOA_W

ClientSampleId :

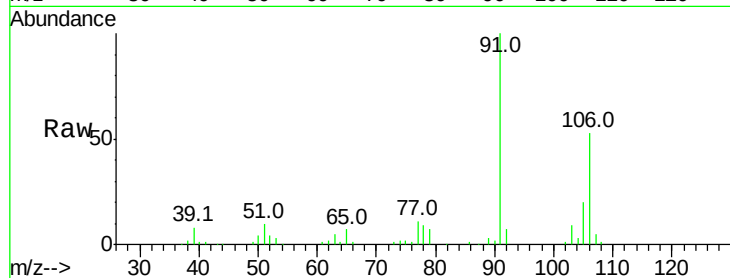
VSTD2.504

Tgt Ion:106 Resp: 23829

Ion Ratio Lower Upper

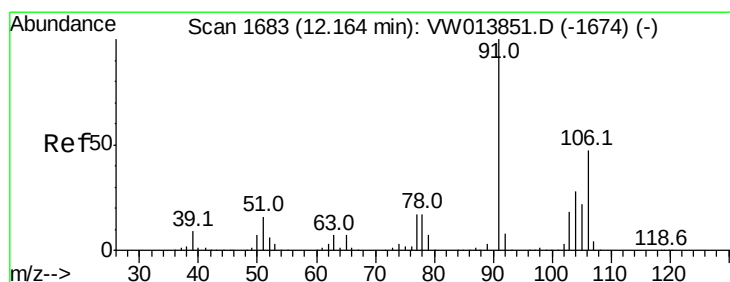
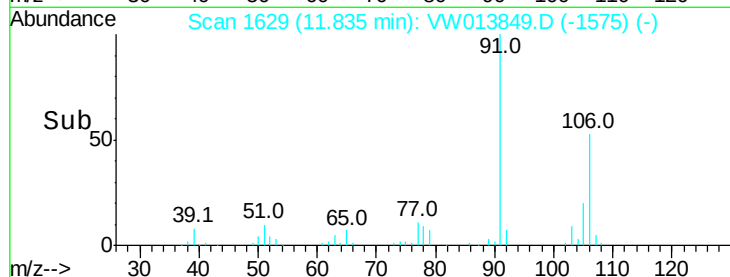
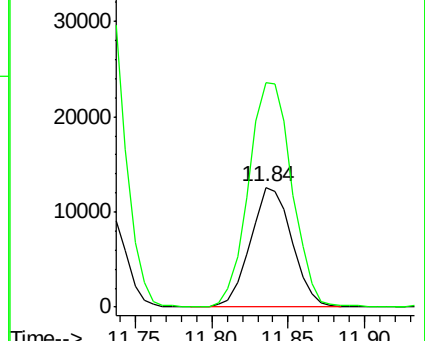
106 100

91 187.6 136.6 253.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 2.247 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW013849.D

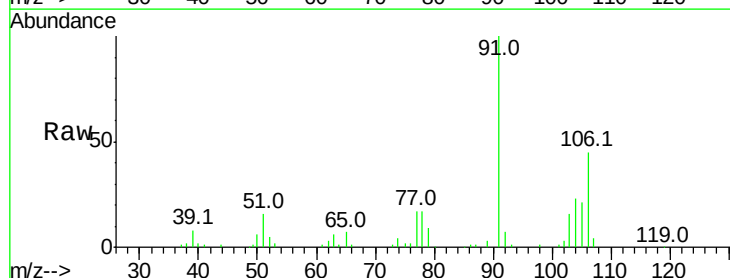
Acq: 31 Oct 2019 10:36

Tgt Ion:106 Resp: 21418

Ion Ratio Lower Upper

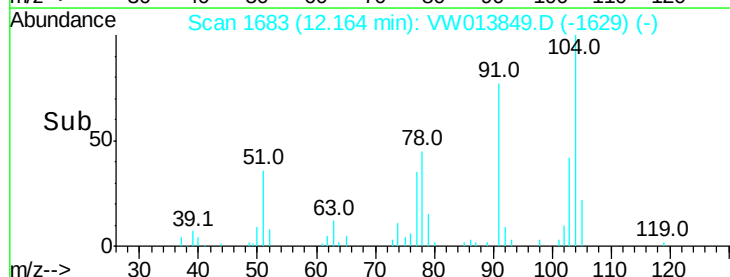
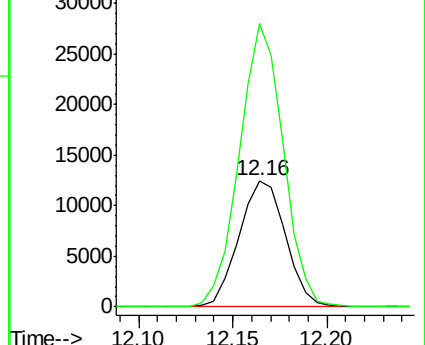
106 100

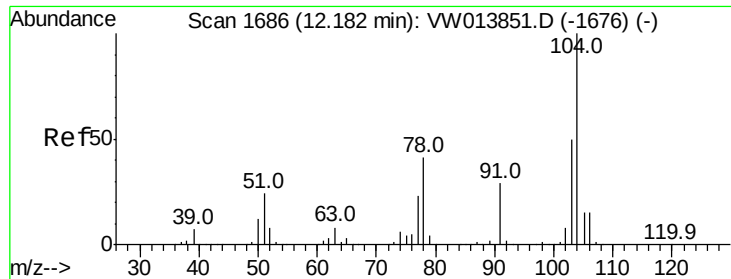
91 224.0 148.0 274.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Styrene

Concen: 2.264 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW013849.D

Acq: 31 Oct 2019 10:36

Instrument :

MSVOA_W

ClientSampled :

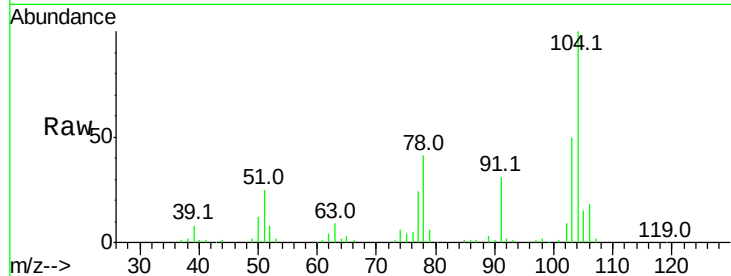
VSTD2.504

Tgt Ion:104 Resp: 36920

Ion Ratio Lower Upper

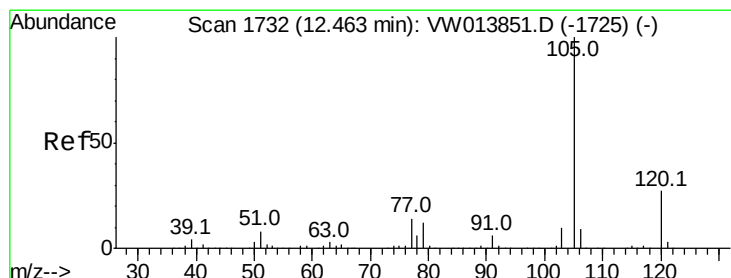
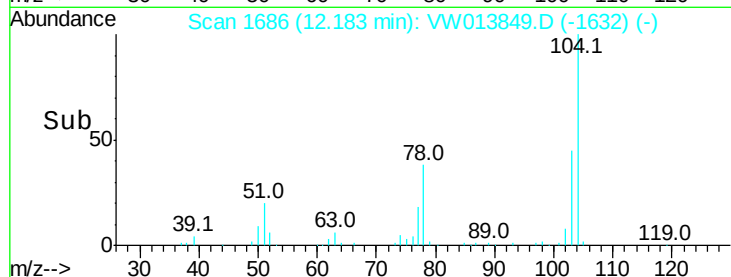
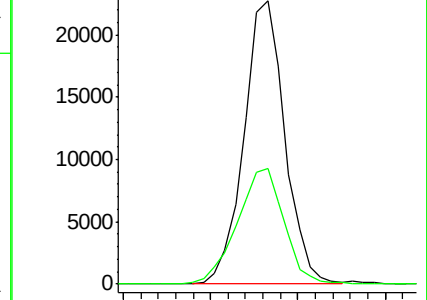
104 100

78 41.0 28.9 53.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW



#57

Isopropylbenzene

Concen: 2.278 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013849.D

Acq: 31 Oct 2019 10:36

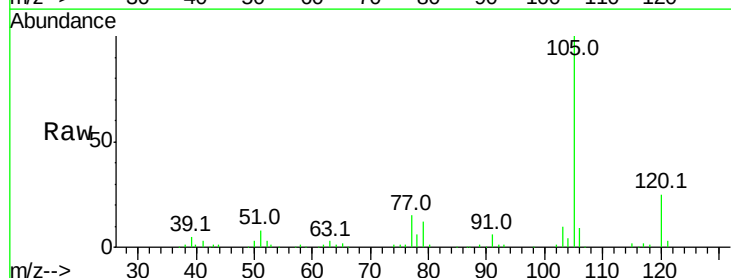
Tgt Ion:105 Resp: 58241

Ion Ratio Lower Upper

105 100

120 25.6 21.7 32.5

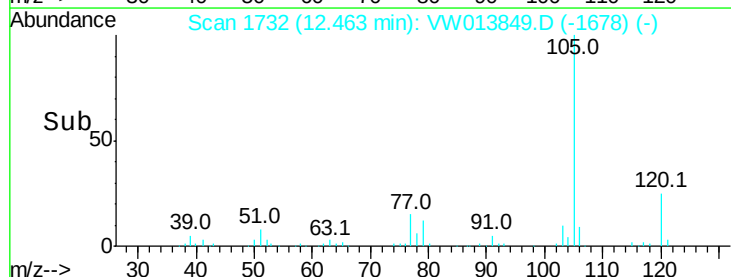
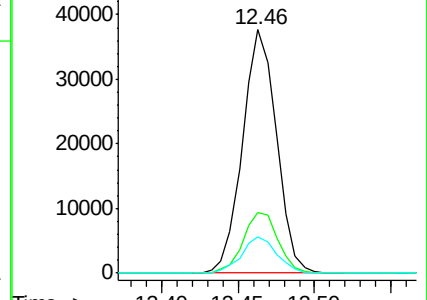
77 15.4 11.7 17.5

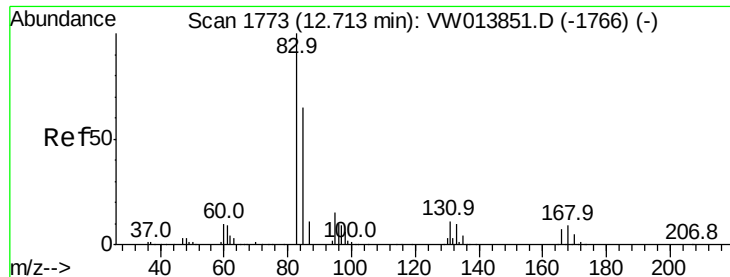


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VW

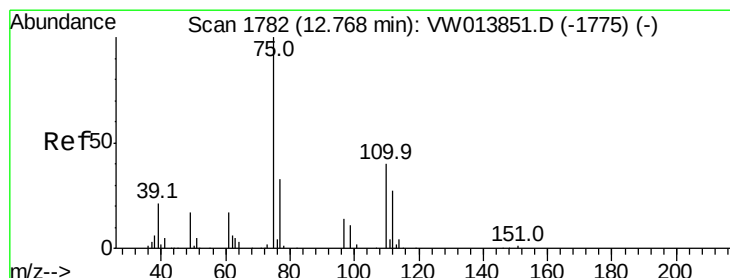
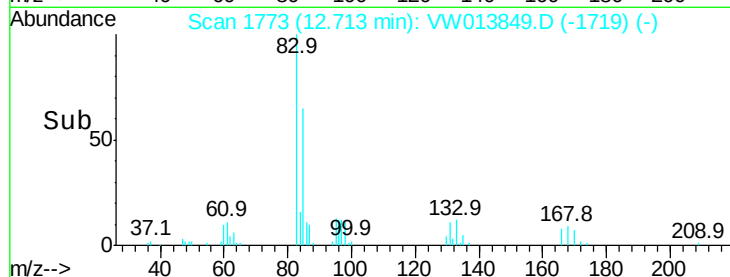
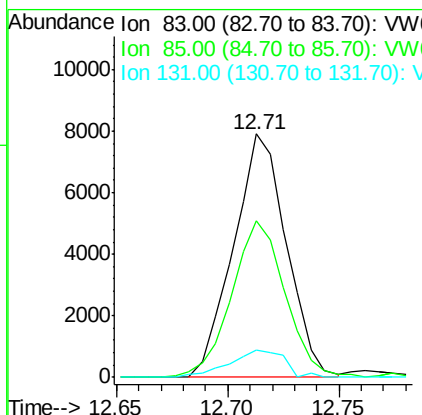
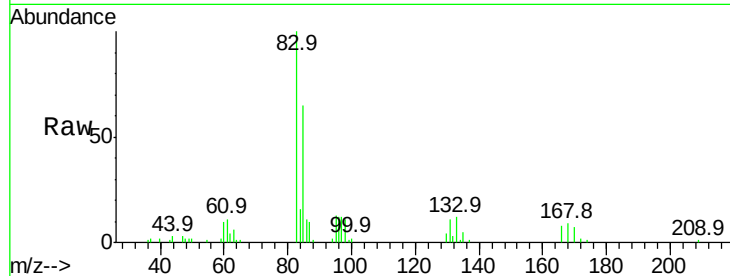




#58
 1,1,2,2-Tetrachloroethane
 Concen: 2.702 ug/L
 RT: 12.71 min Scan# 1773
 Delta R.T. 0.00 min
 Lab File: VW013849.D
 Acq: 31 Oct 2019 10:36

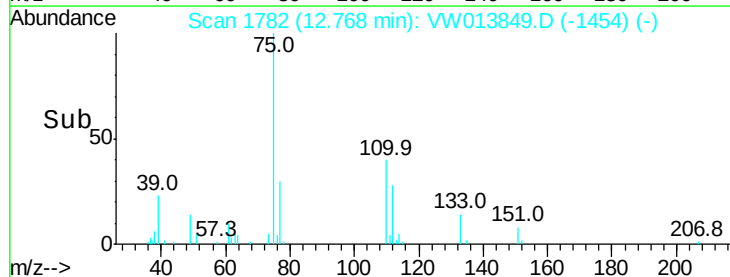
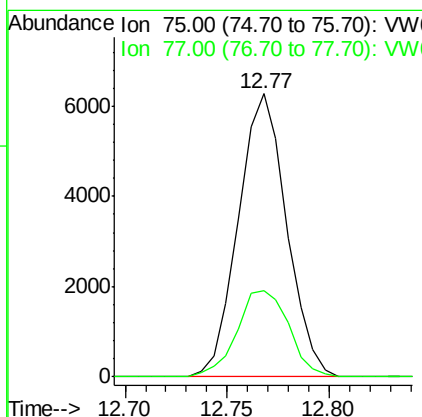
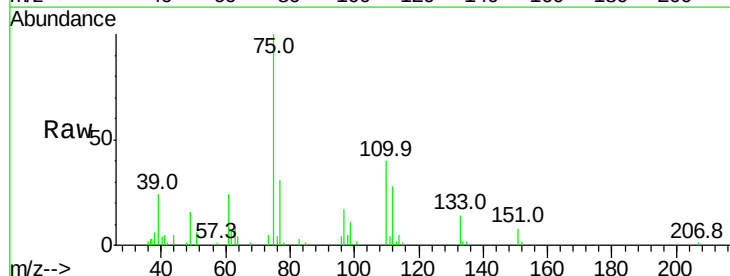
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.504

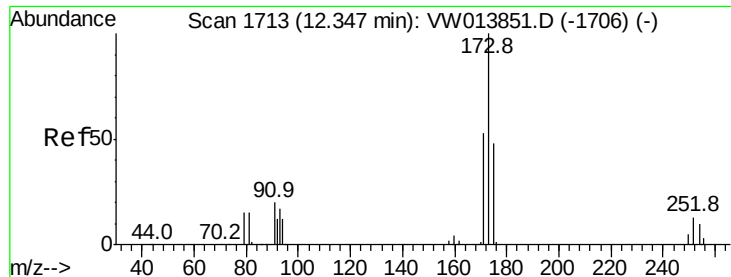
Tgt Ion: 83 Resp: 13074
 Ion Ratio Lower Upper
 83 100
 85 64.5 46.1 85.7
 131 11.3 9.0 13.6



#59
 1,2,3-Trichloropropane
 Concen: 2.857 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW013849.D
 Acq: 31 Oct 2019 10:36

Tgt Ion: 75 Resp: 10308
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.8 38.8

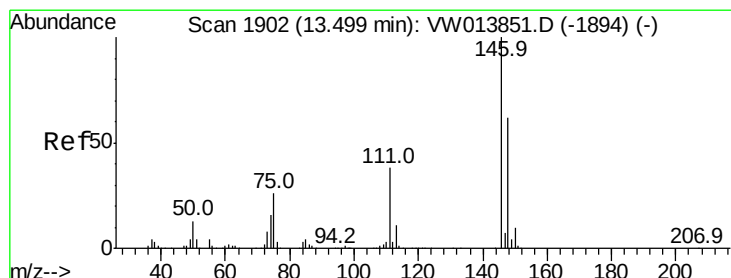
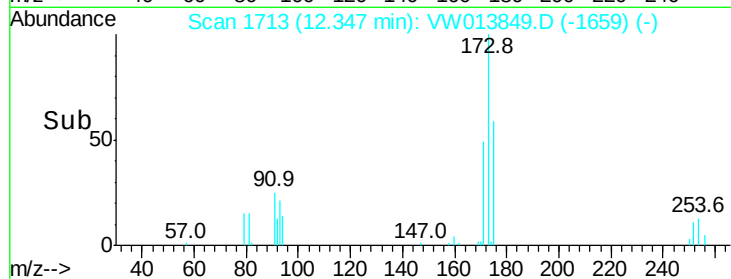
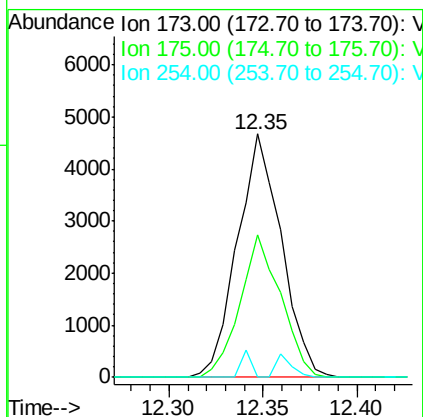
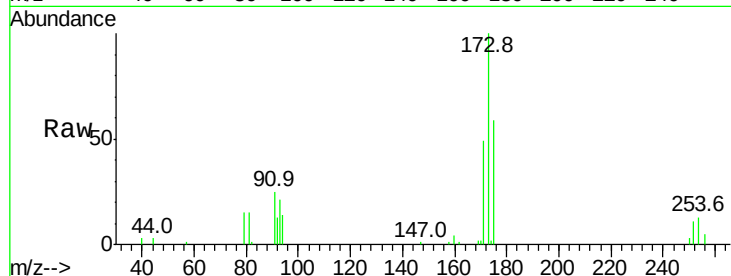




#62
Bromoform
Concen: 2.488 ug/L
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW013849.D
Acq: 31 Oct 2019 10:36

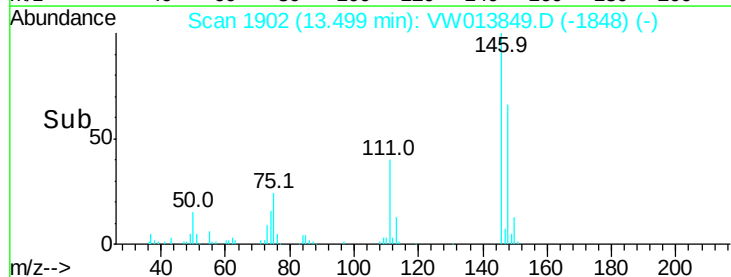
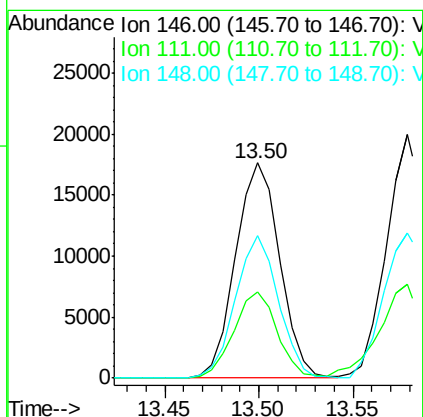
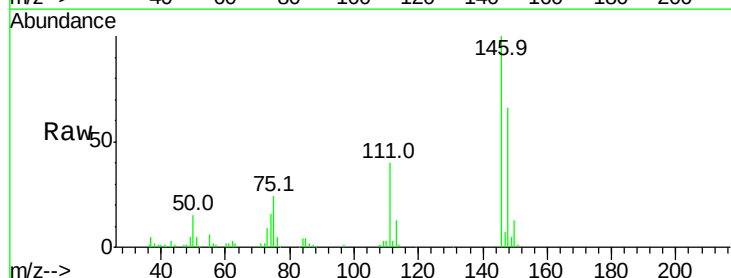
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.504

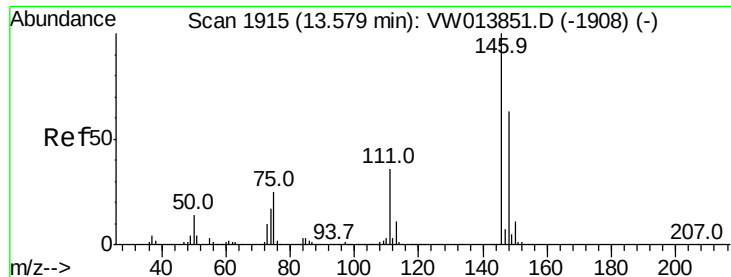
Tgt Ion:173 Resp: 7559
Ion Ratio Lower Upper
173 100
175 54.1 39.1 58.7
254 3.5 9.4 14.2#



#63
1,3-Dichlorobenzene
Concen: 2.389 ug/L
RT: 13.50 min Scan# 1902
Delta R.T. 0.00 min
Lab File: VW013849.D
Acq: 31 Oct 2019 10:36

Tgt Ion:146 Resp: 28742
Ion Ratio Lower Upper
146 100
111 39.8 26.5 49.1
148 66.0 43.7 81.1

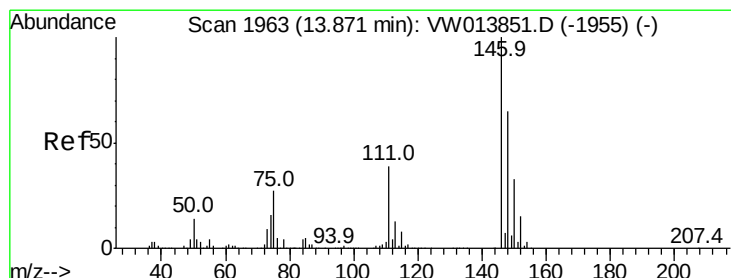
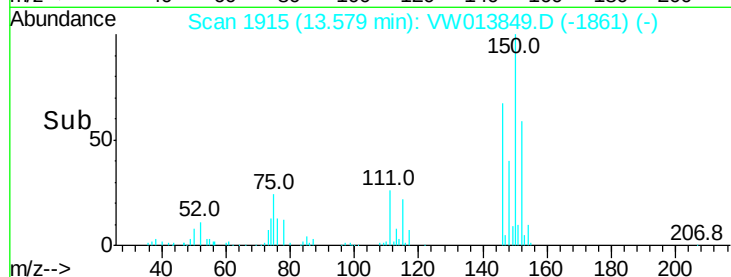
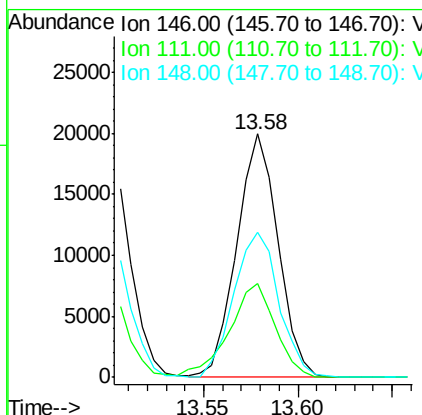
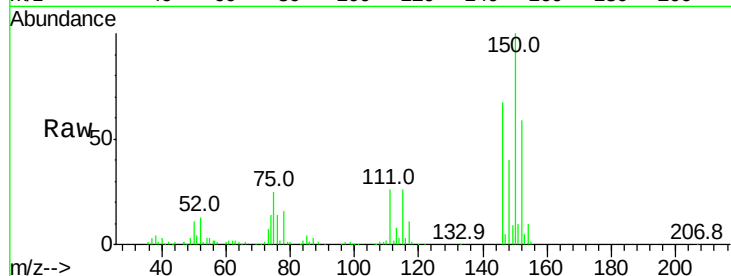




#64
 1,4-Dichlorobenzene
 Concen: 2.518 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013849.D
 Acq: 31 Oct 2019 10:36

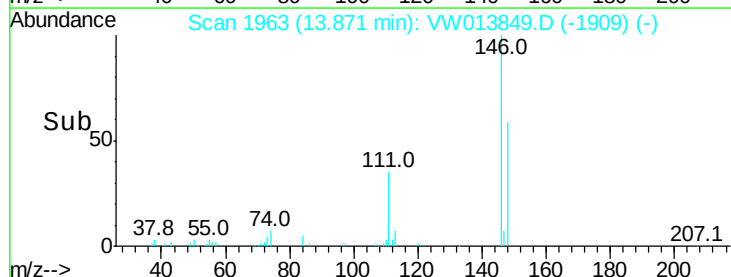
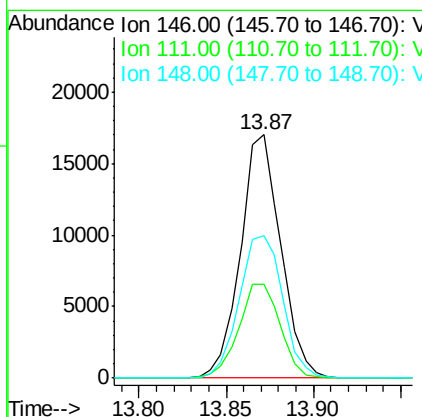
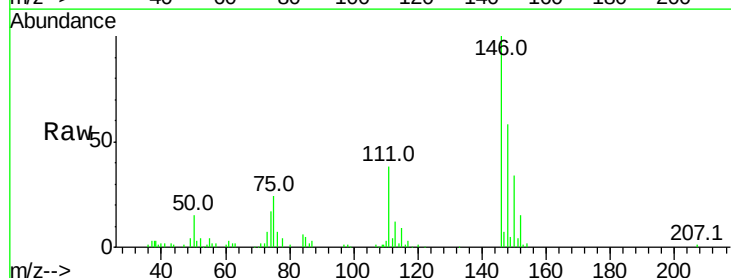
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.504

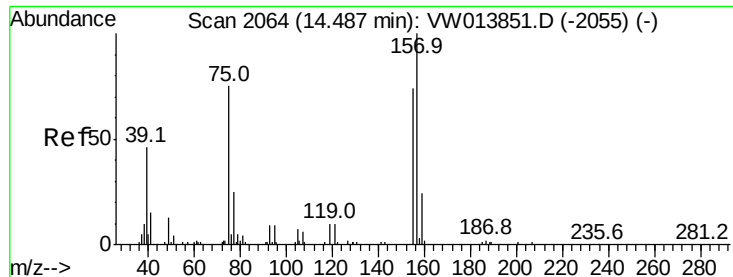
Tgt Ion:146 Resp: 30432
 Ion Ratio Lower Upper
 146 100
 111 38.4 25.0 46.4
 148 59.8 44.4 82.5



#65
 1,2-Dichlorobenzene
 Concen: 2.516 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW013849.D
 Acq: 31 Oct 2019 10:36

Tgt Ion:146 Resp: 27420
 Ion Ratio Lower Upper
 146 100
 111 38.4 31.0 46.4
 148 58.5 51.8 77.6





#66

1,2-Dibromo-3-chloropropane

Concen: 2.749 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. -0.01 min

Lab File: VW013849.D

Acq: 31 Oct 2019 10:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.504

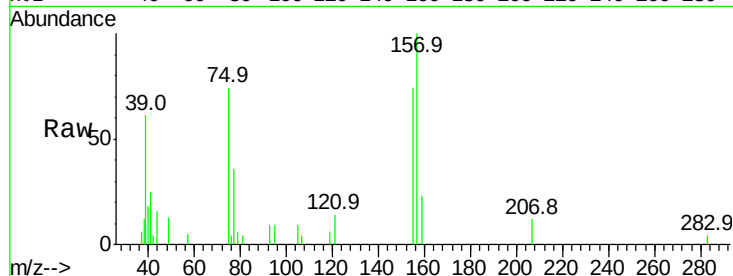
Tgt Ion: 75 Resp: 2059

Ion Ratio Lower Upper

75 100

157 135.3 106.2 159.2

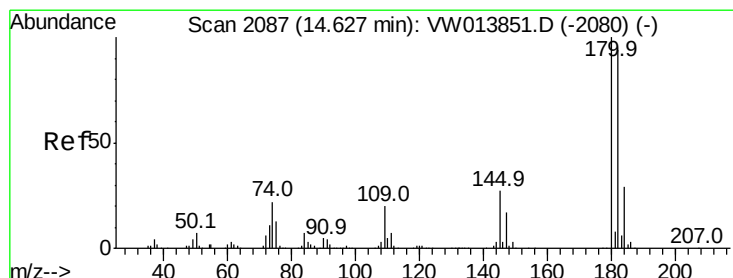
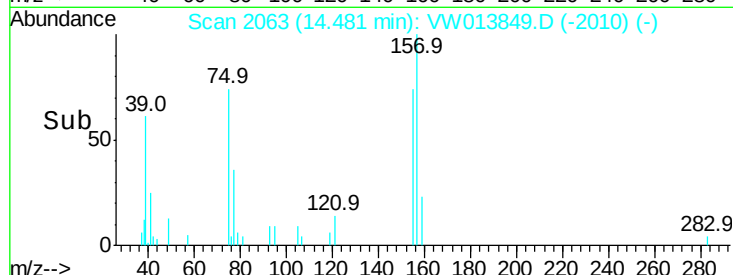
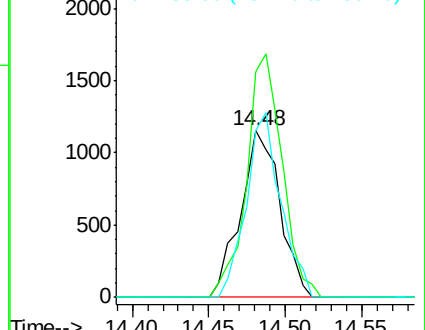
155 100.0 78.8 118.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V



#67

1,3,5-Trichlorobenzene

Concen: 2.369 ug/L

RT: 14.63 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VW013849.D

Acq: 31 Oct 2019 10:36

Tgt Ion: 180 Resp: 21189

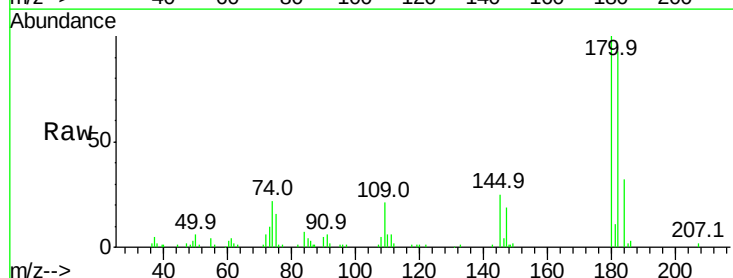
Ion Ratio Lower Upper

180 100

182 93.0 76.2 114.4

184 30.6 24.1 36.1

145 26.4 21.7 32.5

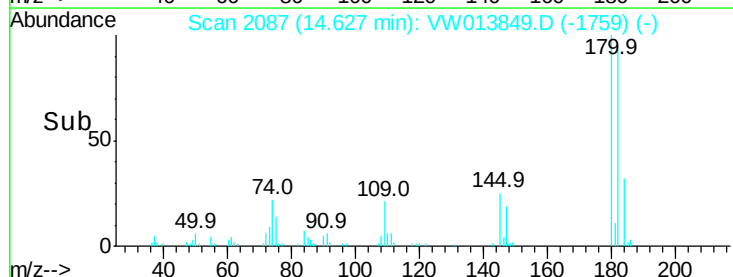
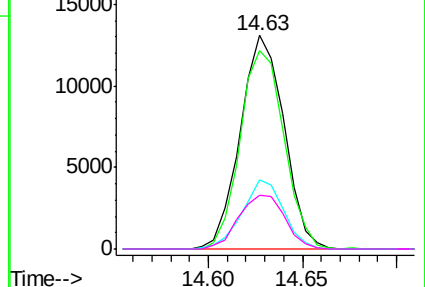


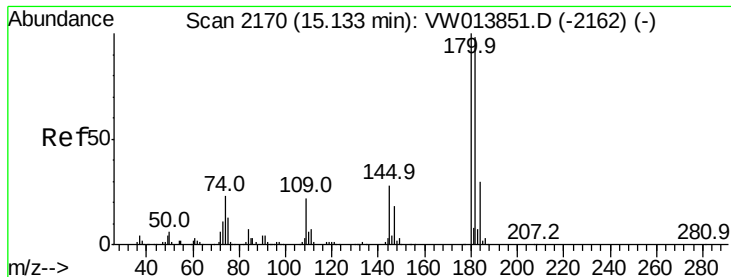
Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V





#68

1,2,4-trichlorobenzene

Concen: 2.007 ug/L

RT: 15.13 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VW013849.D

Acq: 31 Oct 2019 10:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.504

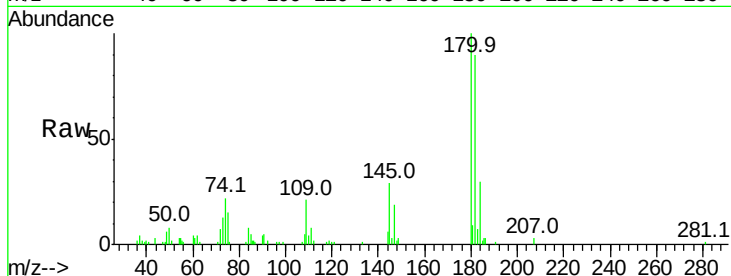
Tgt Ion:180 Resp: 15240

Ion Ratio Lower Upper

180 100

182 98.6 74.8 112.2

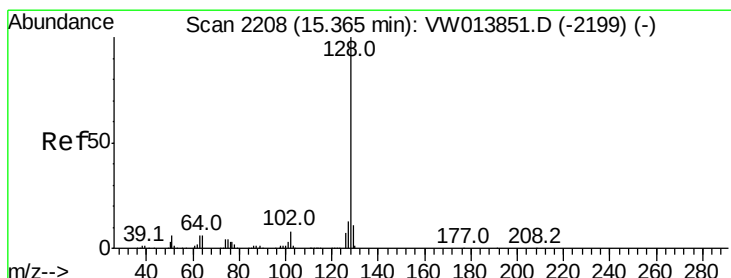
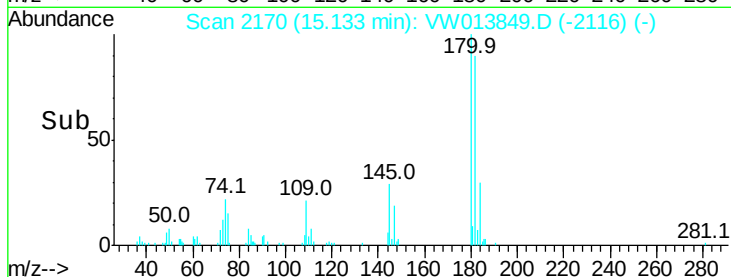
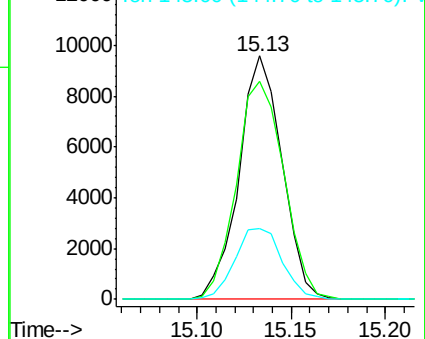
145 31.9 22.4 33.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#69

Naphthalene

Concen: 1.907 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW013849.D

Acq: 31 Oct 2019 10:36

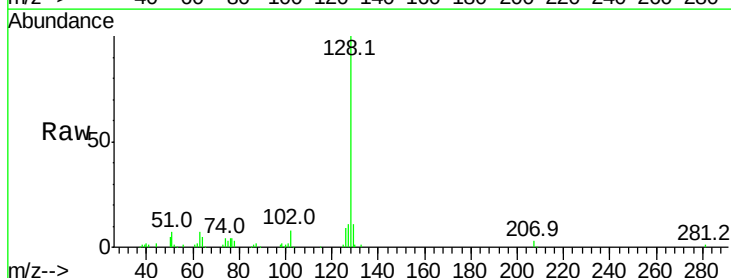
Tgt Ion:128 Resp: 26235

Ion Ratio Lower Upper

128 100

129 11.3 8.6 13.0

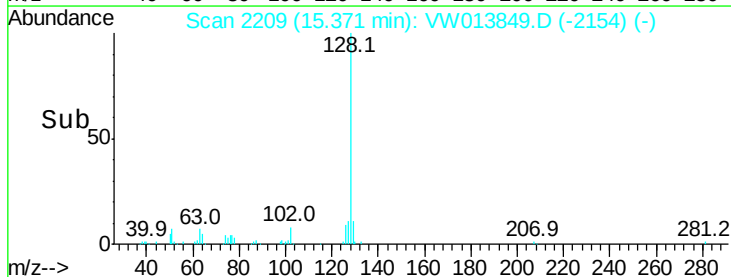
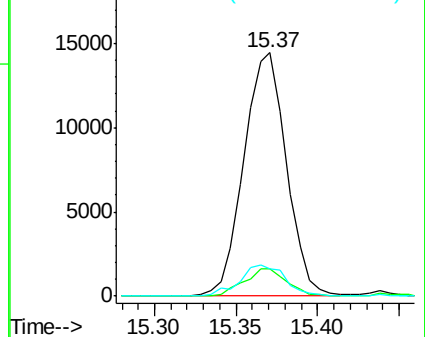
127 13.4 10.5 15.7

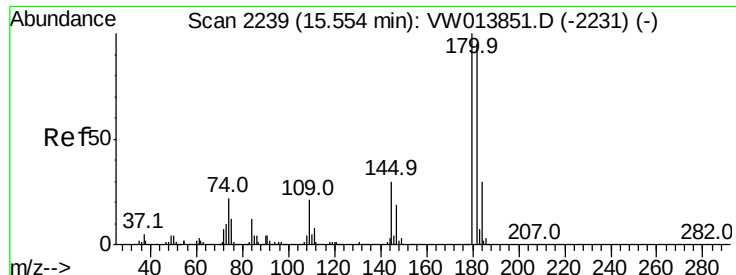


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

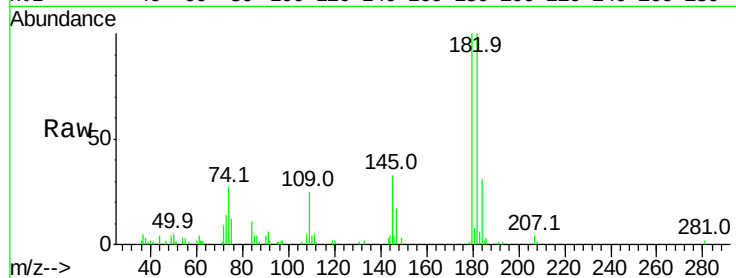




#70
 1,2,3-Trichlorobenzene
 Concen: 2.147 ug/L
 RT: 15.55 min Scan# 2239
 Delta R.T. 0.00 min
 Lab File: VW013849.D
 Acq: 31 Oct 2019 10:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.504

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	78.0	117.0
145	33.8	23.9	35.9



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

