

Data File : VW003738.D
Acq On : 06 Jul 2018 10:47
Operator : SY/AP
Sample : VSTD02583
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02583

Quant Time: Jul 06 11:14:37 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070618S.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 06 10:12:11 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	325545	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	314269	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	159560	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.34	65	108822	24.65	ug/L	0.00
7) Chloroethane-d5	2.89	69	78922	21.42	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	167167	19.07	ug/L	0.00
20) 2-Butanone-d5	7.09	46	73240	52.64	ug/L	0.00
24) Chloroform-d	7.65	84	211309	24.68	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	127673	25.09	ug/L	0.00
29) Benzene-d6	8.27	84	407066	24.41	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	126515	23.97	ug/L	0.00
37) Toluene-d8	10.33	98	394533	24.75	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	61568	24.85	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	58372	54.11	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.70	84	128084	26.08	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.87	152	144639	24.00	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	45353	25.364 ug/L	# 82
3) Chloromethane	2.21	50	82626	21.511 ug/L	99
5) Vinyl chloride	2.36	62	123189	22.160 ug/L	97
6) Bromomethane	2.78	94	73610	22.757 ug/L	99
8) Chloroethane	2.92	64	69050	20.385 ug/L	96
9) Trichlorofluoromethane	3.25	101	54334	17.040 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	82613	19.189 ug/L	98
12) 1,1-Dichloroethene	4.03	96	80316	19.737 ug/L	99
14) Carbon disulfide	4.37	76	260691	19.856 ug/L	99
15) Methyl Acetate	4.68	43	56068	23.067 ug/L	100
16) Methylene chloride	4.91	84	110867	24.716 ug/L	95
17) Methyl tert-butyl Ether	5.43	73	201897	26.890 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	109002	25.708 ug/L	99
19) 1,1-Dichloroethane	6.21	63	206531	26.101 ug/L	99
21) 2-Butanone	7.18	43	98372	56.451 ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	117493	26.074 ug/L	99
23) Bromochloromethane	7.51	128	55118	26.441 ug/L	93
25) Chloroform	7.68	83	214850	26.411 ug/L	100
27) 1,2-Dichloroethane	8.40	62	161950	27.491 ug/L	99
30) Cyclohexane	7.95	56	184282	25.398 ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	167641	24.280 ug/L	99
32) Carbon tetrachloride	8.07	117	166061	24.895 ug/L	99
34) Benzene	8.32	78	473804	26.439 ug/L	100
35) Trichloroethene	9.09	95	122838	25.432 ug/L	99
36) Methylcyclohexane	9.34	83	213143	25.848 ug/L	100
40) 1,2-Dichloropropane	9.37	63	126825	26.892 ug/L	99
41) Bromodichloromethane	9.65	83	159160	26.257 ug/L	98
42) cis-1,3-Dichloropropene	10.08	75	188571	26.792 ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	205581	61.018 ug/L	99
44) Toluene	10.39	91	517440	26.623 ug/L	99

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Quant Title : VOC Analysis
QLast Update : Fri Jul 06 10:12:11 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) trans-1,3-Dichloropropene	10.61	75	175684	27.585	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	97340	27.648	ug/L	96
47) Tetrachloroethene	10.87	164	103165	25.417	ug/L	99
49) 2-Hexanone	10.98	43	157373	62.680	ug/L	99
50) Dibromochloromethane	11.13	129	114933	26.816	ug/L	97
51) 1,2-Dibromoethane	11.24	107	96312	27.529	ug/L	100
52) Chlorobenzene	11.66	112	329189	26.083	ug/L	97
53) Ethylbenzene	11.74	91	583029	26.744	ug/L	99
54) m,p-Xylene	11.85	106	220775	27.268	ug/L	96
55) o-xylene	12.17	106	207202	26.904	ug/L	100
56) Styrene	12.19	104	370673	27.877	ug/L	97
57) Isopropylbenzene	12.47	105	571535	26.747	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	135245	29.140	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	104143	29.279	ug/L	98
62) Bromoform	12.35	173	74506	27.745	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	251387	25.624	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	270663	26.314	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	249061	26.590	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	24076	29.289	ug/L	95
67) 1,3,5-Trichlorobenzene	14.64	180	198392	26.024	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	164369	26.485	ug/L	99
69) Naphthalene	15.38	128	368224	31.710	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	161295	28.357	ug/L	100

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

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Instrument :
MSVOA_W
ClientSampleId :
VSTD02583

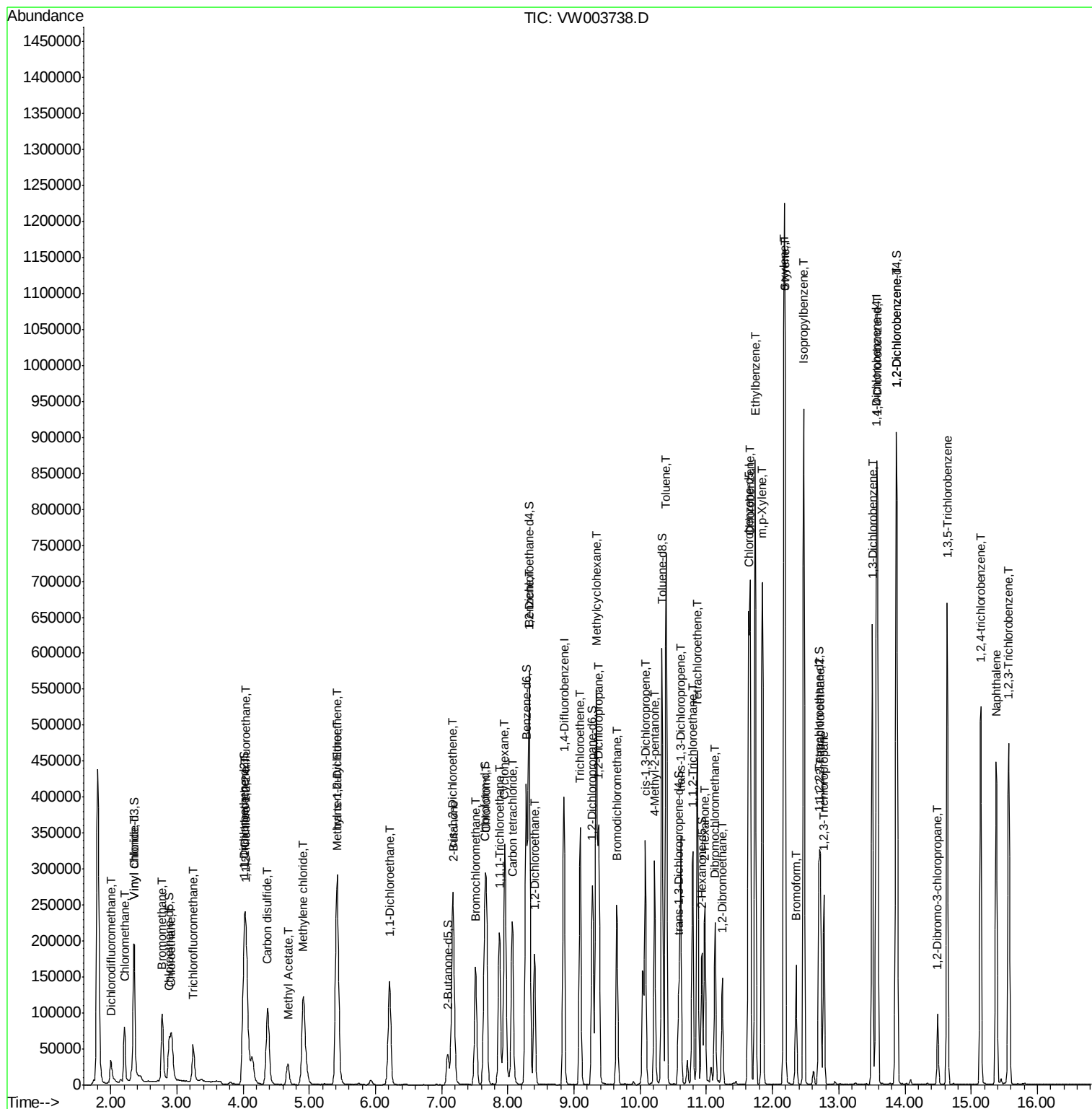
Quant Time: Jul 06 11:14:37 2018

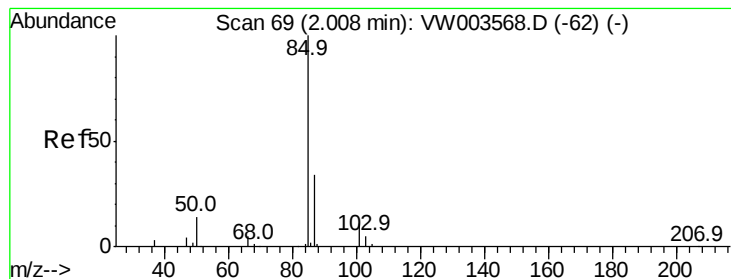
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070618S.M

Quant Title : VOC Analysis

QLast Update : Fri Jul 06 10:12:11 2018

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 25.364 ug/L

RT: 2.00 min Scan# 68

Delta R.T. -0.01 min

Lab File: VW003738.D

Acq: 06 Jul 2018 10:47

Instrument :

MSVOA_W

ClientSampleId :

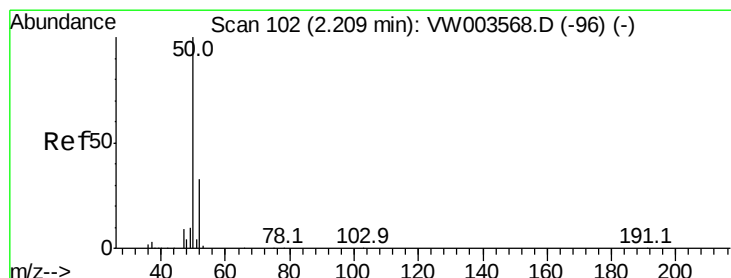
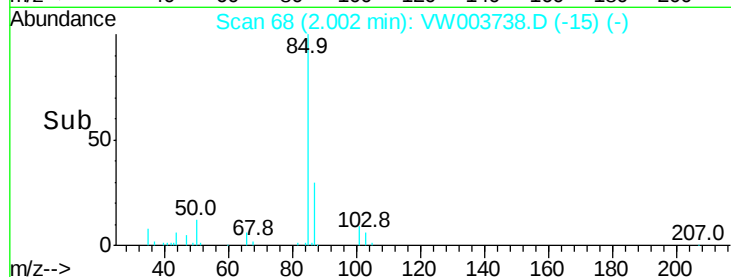
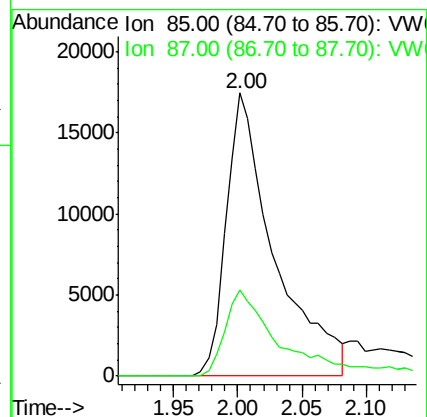
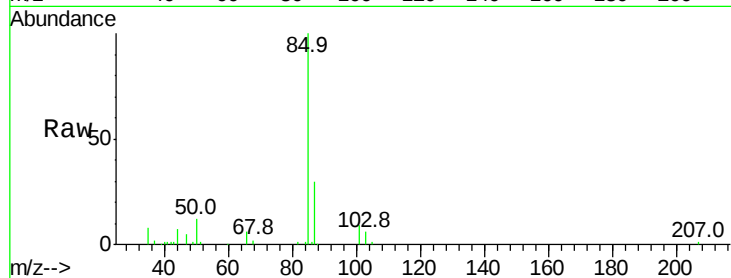
VSTD02583

Tgt Ion: 85 Resp: 45353

Ion Ratio Lower Upper

85 100

87 33.3 17.1 31.7#



#3

Chloromethane

Concen: 21.511 ug/L

RT: 2.21 min Scan# 102

Delta R.T. -0.00 min

Lab File: VW003738.D

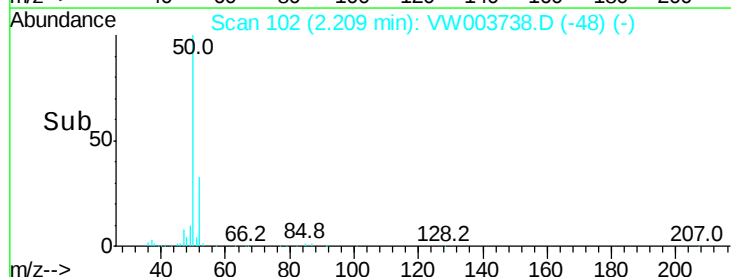
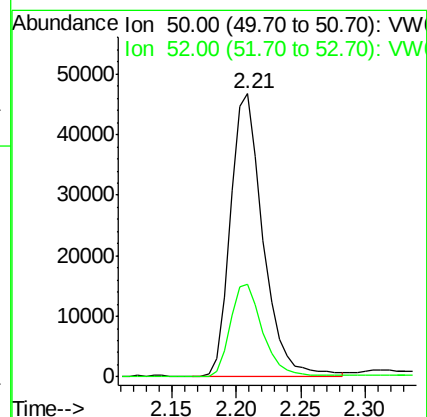
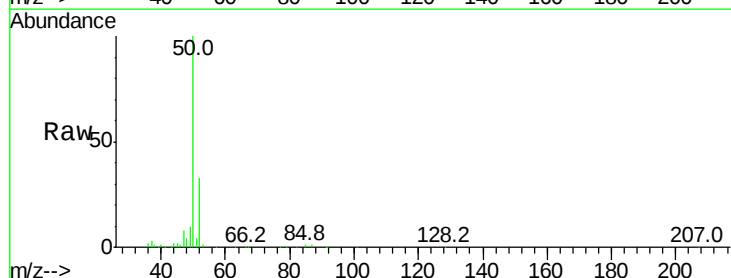
Acq: 06 Jul 2018 10:47

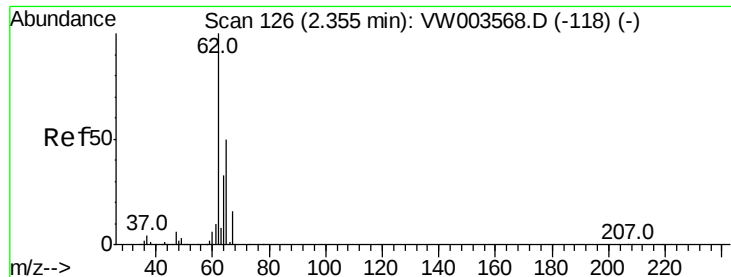
Tgt Ion: 50 Resp: 82626

Ion Ratio Lower Upper

50 100

52 32.7 23.3 43.3





#5

Vinyl chloride

Concen: 22.160 ug/L

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW003738.D

Acq: 06 Jul 2018 10:47

Instrument :

MSVOA_W

ClientSampleId :

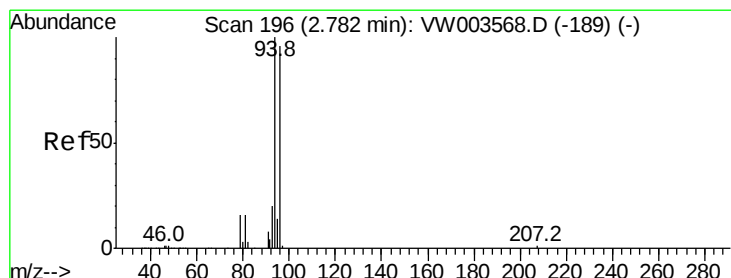
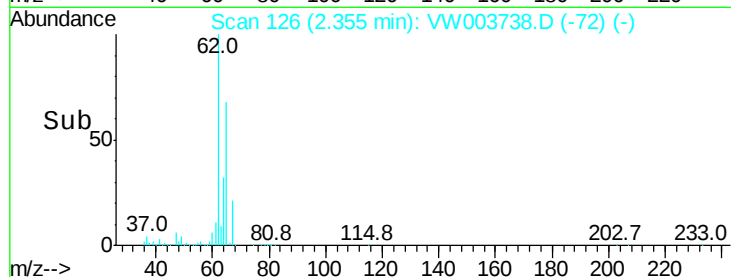
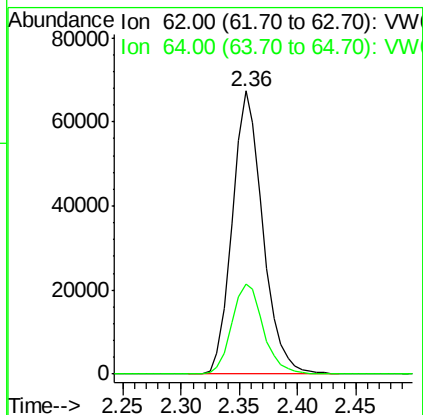
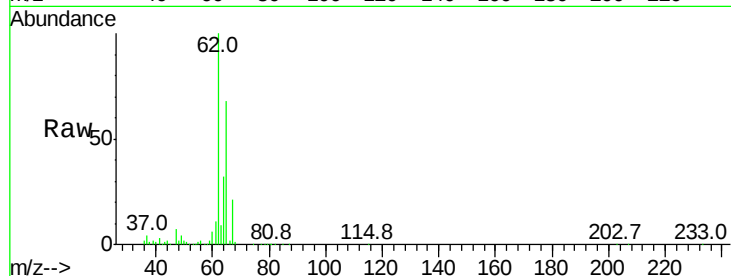
VSTD02583

Tgt Ion: 62 Resp: 123189

Ion Ratio Lower Upper

62 100

64 31.7 23.5 43.7



#6

Bromomethane

Concen: 22.757 ug/L

RT: 2.78 min Scan# 195

Delta R.T. -0.01 min

Lab File: VW003738.D

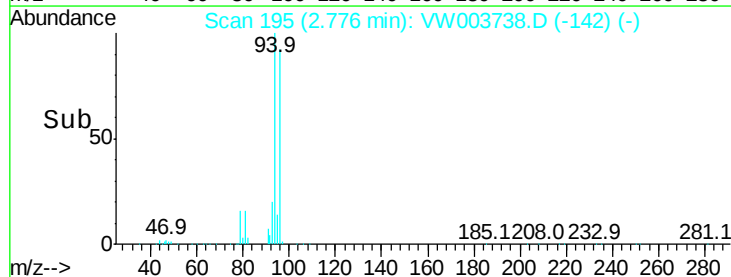
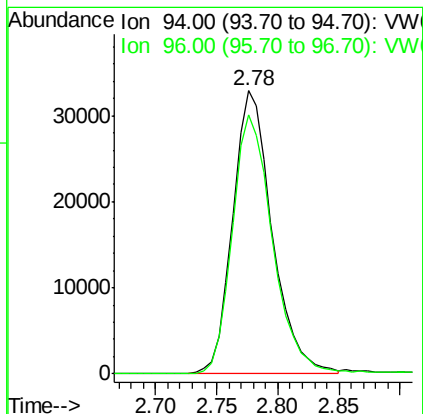
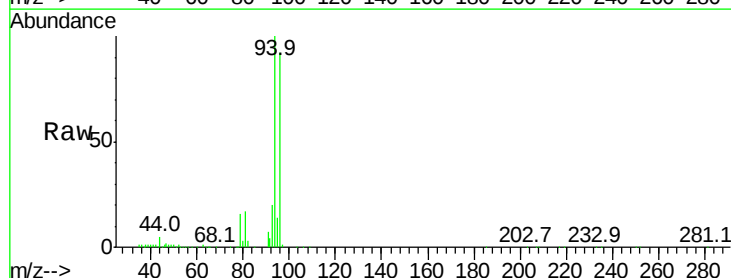
Acq: 06 Jul 2018 10:47

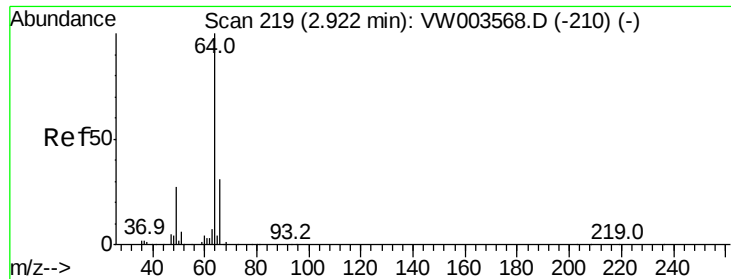
Tgt Ion: 94 Resp: 73610

Ion Ratio Lower Upper

94 100

96 93.5 9.5 180.3





#8

Chloroethane

Concen: 20.385 ug/L

RT: 2.92 min Scan# 219

Delta R.T. -0.00 min

Lab File: VW003738.D

Acq: 06 Jul 2018 10:47

Instrument :

MSVOA_W

ClientSampleId :

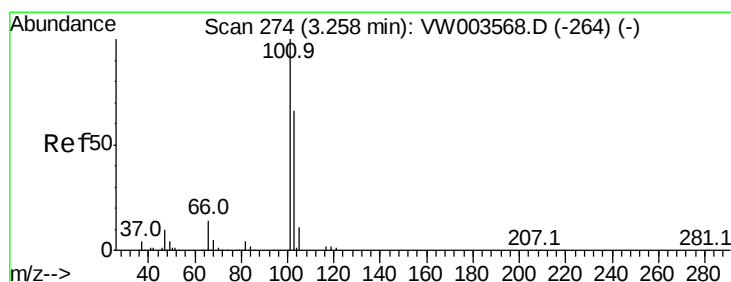
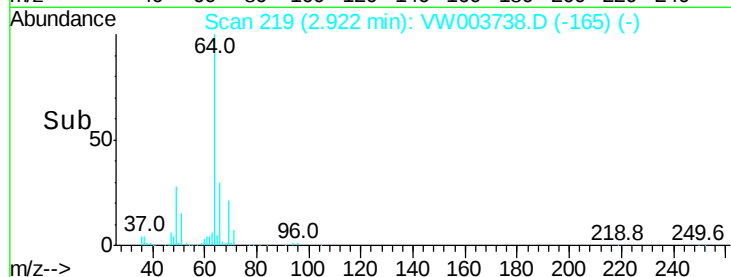
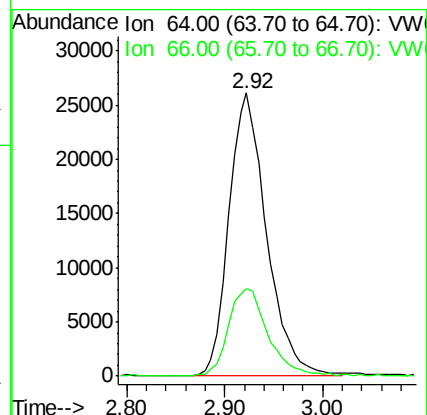
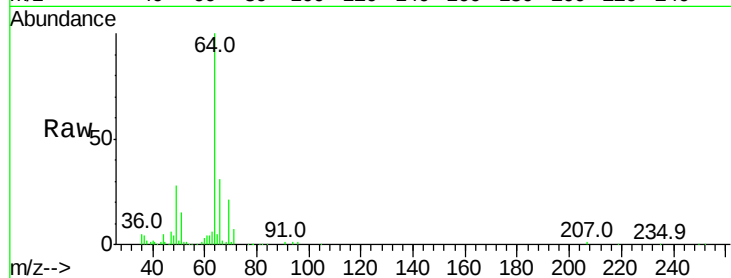
VSTD02583

Tgt Ion: 64 Resp: 69050

Ion Ratio Lower Upper

64 100

66 30.7 22.9 42.5



#9

Trichlorofluoromethane

Concen: 17.040 ug/L

RT: 3.25 min Scan# 272

Delta R.T. -0.01 min

Lab File: VW003738.D

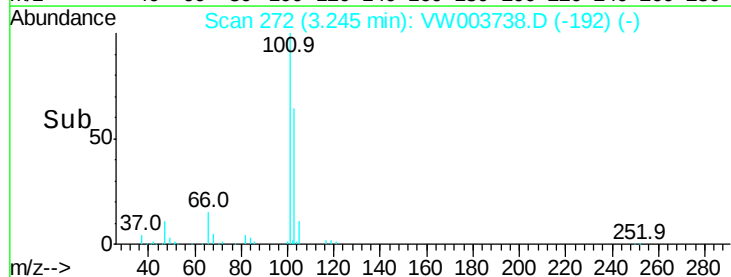
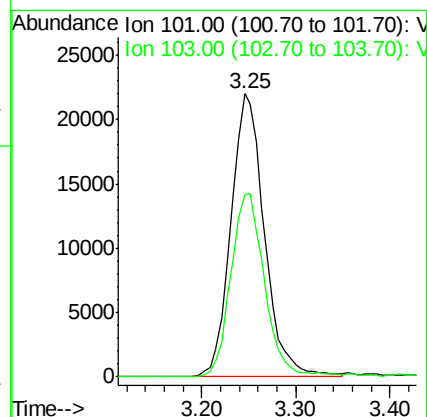
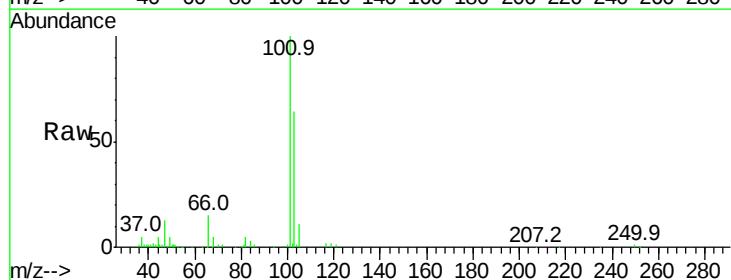
Acq: 06 Jul 2018 10:47

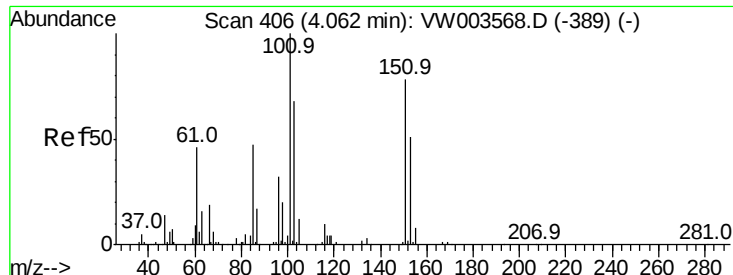
Tgt Ion: 101 Resp: 54334

Ion Ratio Lower Upper

101 100

103 64.2 45.1 83.7





#11

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

Concen: 19.189 ug/L

RT: 4.05 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW003738.D

Acq: 06 Jul 2018 10:47

Instrument :

MSVOA_W

ClientSampled :

VSTD02583

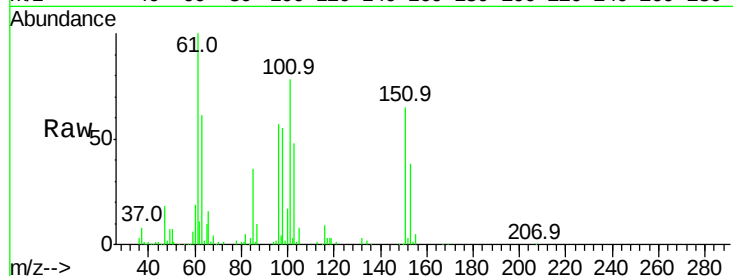
Tgt Ion:101 Resp: 82613

Ion Ratio Lower Upper

101 100

85 44.4 35.4 53.0

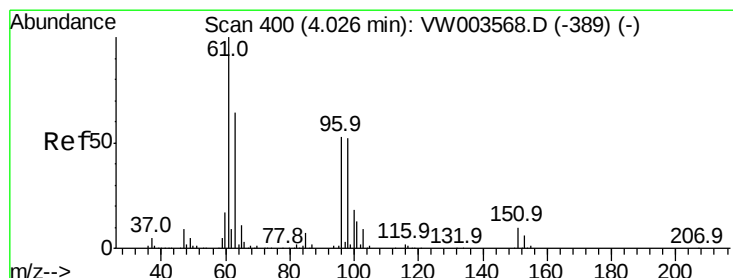
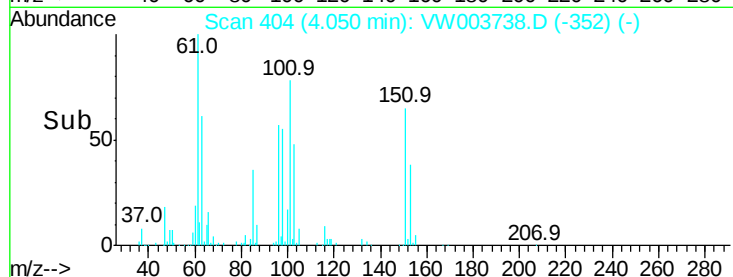
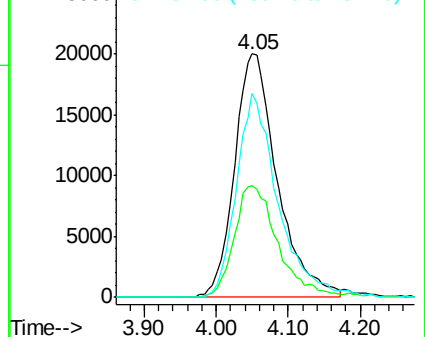
151 78.6 61.4 92.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 19.737 ug/L

RT: 4.03 min Scan# 401

Delta R.T. 0.01 min

Lab File: VW003738.D

Acq: 06 Jul 2018 10:47

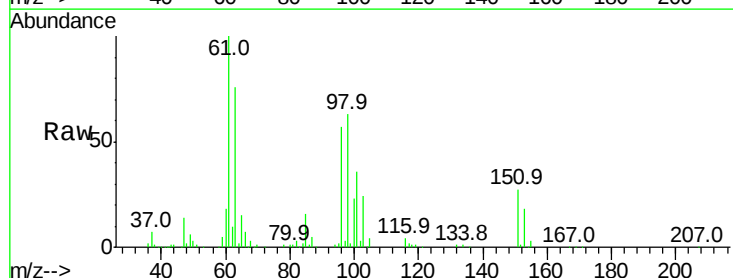
Tgt Ion: 96 Resp: 80316

Ion Ratio Lower Upper

96 100

61 176.8 124.1 230.5

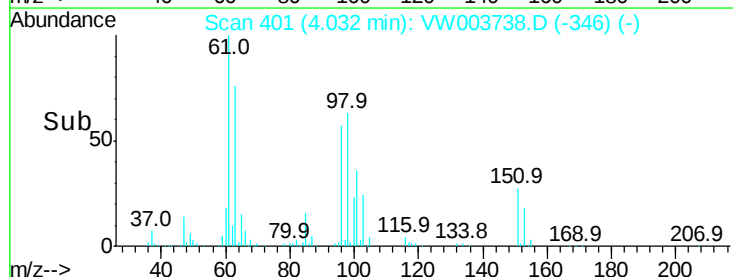
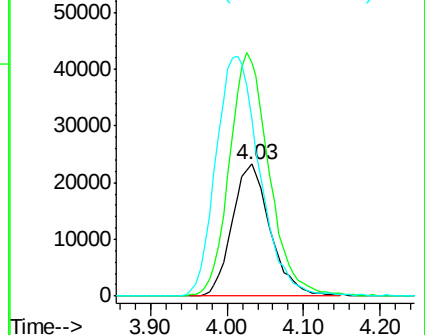
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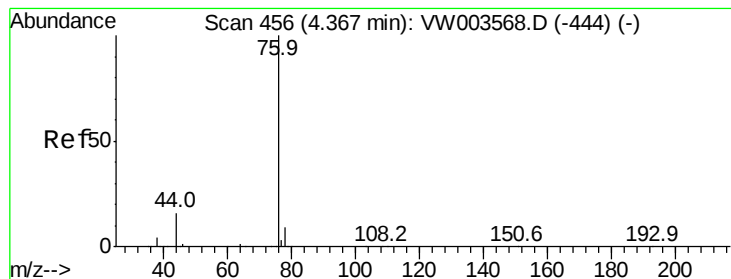


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#14

Carbon disulfide

Concen: 19.856 ug/L

RT: 4.37 min Scan# 457

Delta R.T. 0.01 min

Lab File: VW003738.D

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Instrument :

MSVOA_W

ClientSampleId :

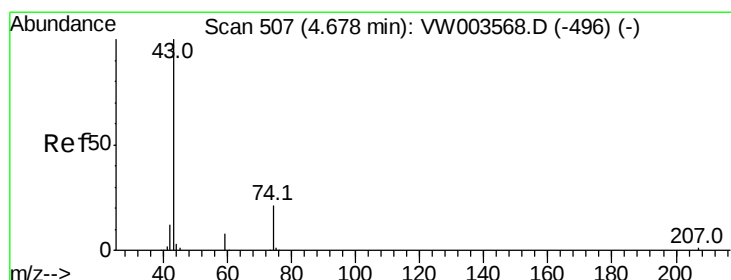
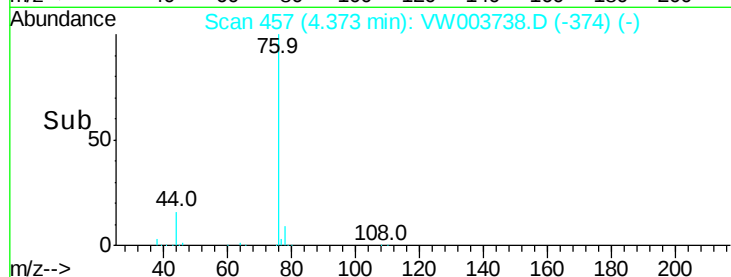
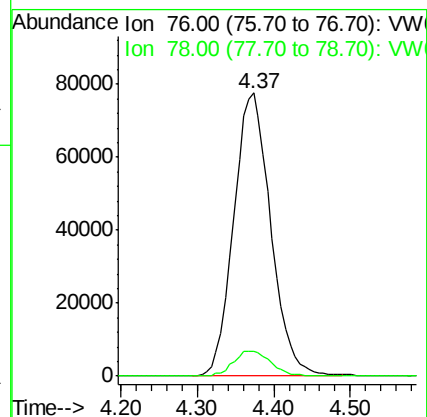
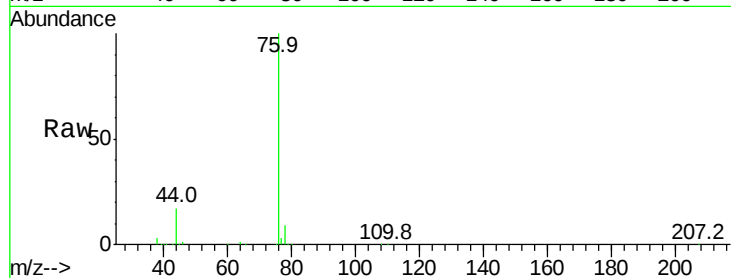
VSTD02583

Tgt Ion: 76 Resp: 260691

Ion Ratio Lower Upper

76 100

78 8.6 7.3 10.9



#15

Methyl Acetate

Concen: 23.067 ug/L

RT: 4.68 min Scan# 507

Delta R.T. -0.00 min

Lab File: VW003738.D

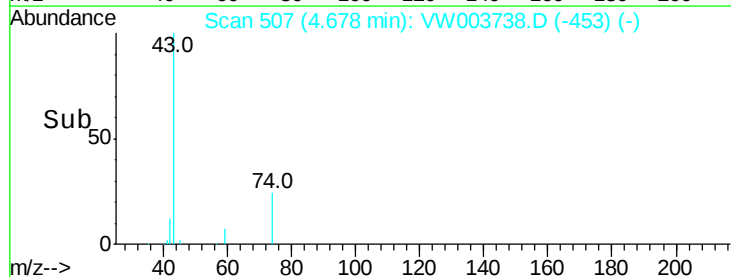
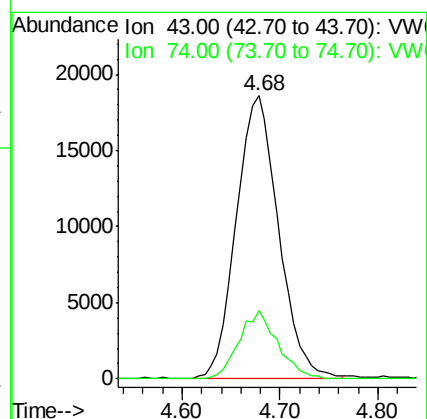
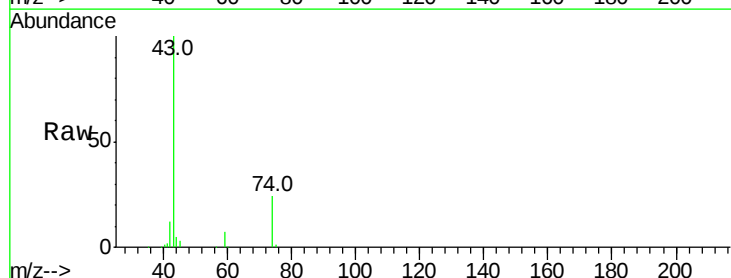
Acq: 06 Jul 2018 10:47

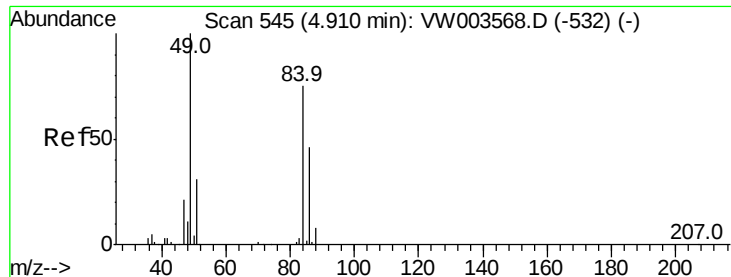
Tgt Ion: 43 Resp: 56068

Ion Ratio Lower Upper

43 100

74 22.1 17.5 26.3

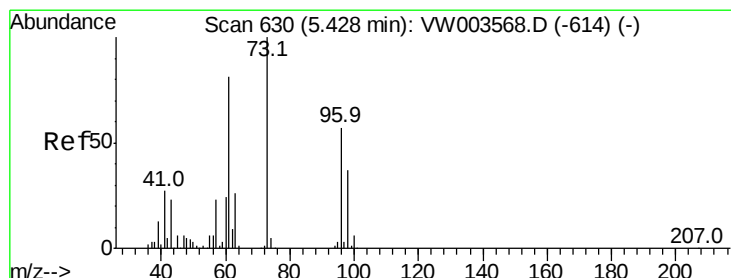
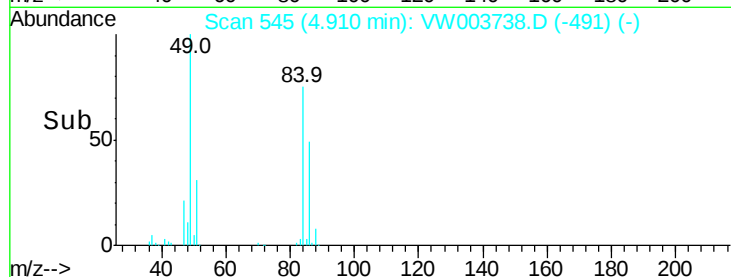
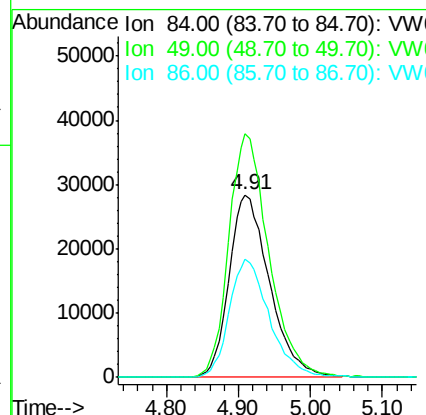
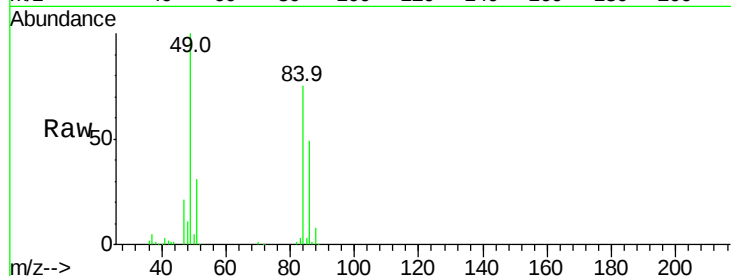




#16
Methylene chloride
Concen: 24.716 ug/L
RT: 4.91 min Scan# 545
Delta R.T. -0.00 min
Lab File: VW003738.D
Acq: 06 Jul 2018 10:47

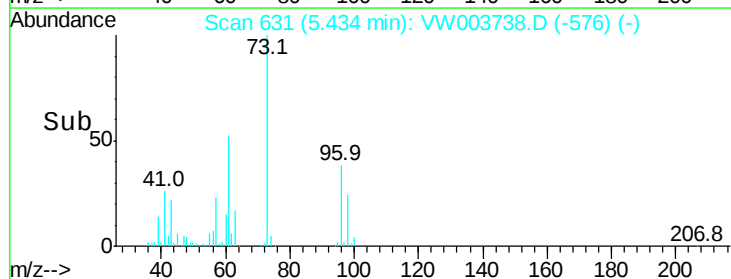
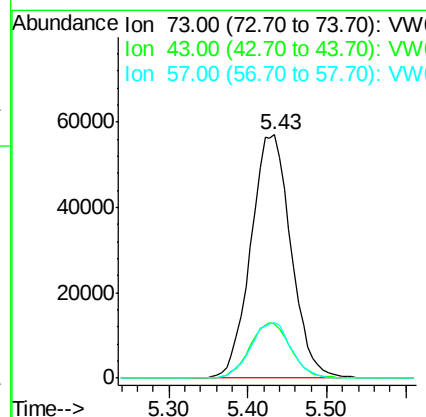
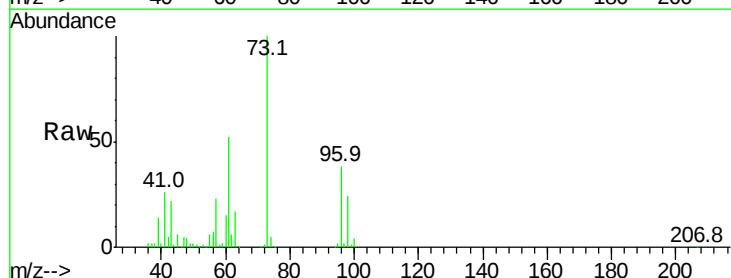
Instrument :
MSVOA_W
ClientSampleId :
VSTD02583

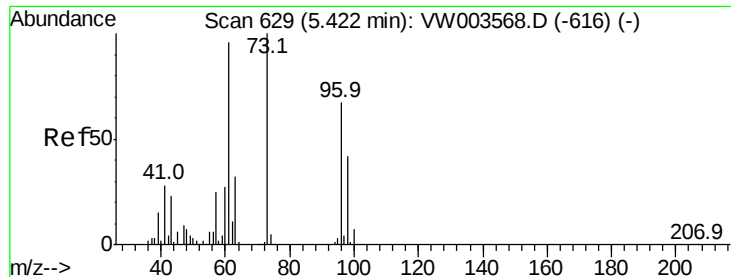
Tgt Ion: 84 Resp: 110867
Ion Ratio Lower Upper
84 100
49 133.6 88.7 164.7
86 65.2 44.2 82.0



#17
Methyl tert-butyl Ether
Concen: 26.890 ug/L
RT: 5.43 min Scan# 631
Delta R.T. 0.01 min
Lab File: VW003738.D
Acq: 06 Jul 2018 10:47

Tgt Ion: 73 Resp: 201897
Ion Ratio Lower Upper
73 100
43 22.8 18.6 27.8
57 23.0 18.1 27.1





#18

trans-1,2-Dichloroethene

Concen: 25.708 ug/L

RT: 5.42 min Scan# 628

Delta R.T. -0.01 min

Lab File: VW003738.D

Acq: 06 Jul 2018 10:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD02583

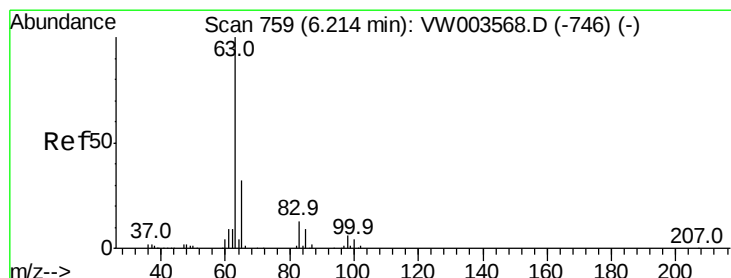
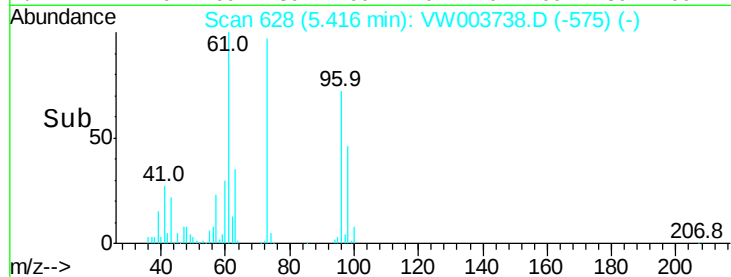
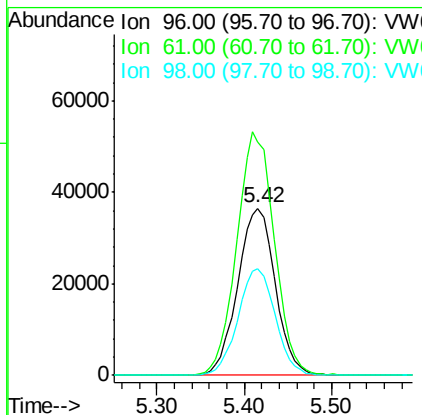
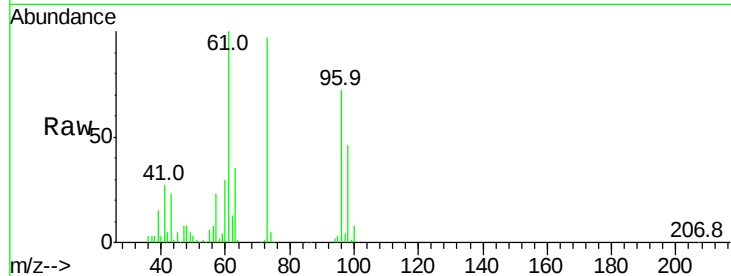
Tgt Ion: 96 Resp: 109002

Ion Ratio Lower Upper

96 100

61 139.3 98.0 182.0

98 63.7 44.2 82.2



#19

1,1-Dichloroethane

Concen: 26.101 ug/L

RT: 6.21 min Scan# 758

Delta R.T. -0.01 min

Lab File: VW003738.D

Acq: 06 Jul 2018 10:47

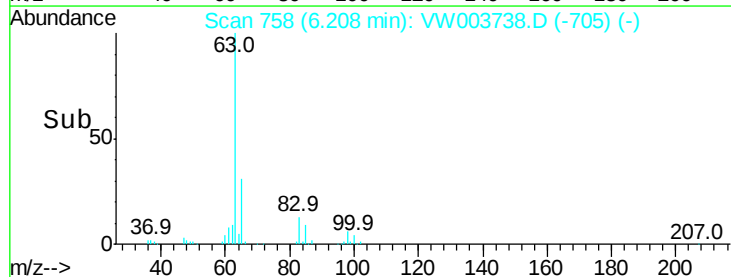
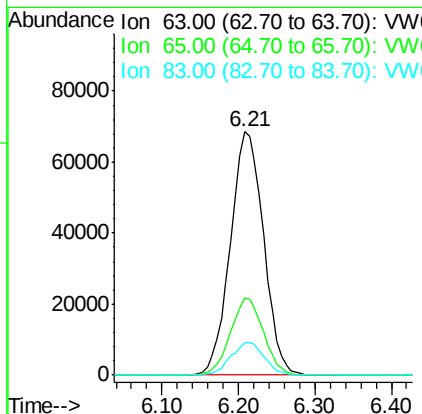
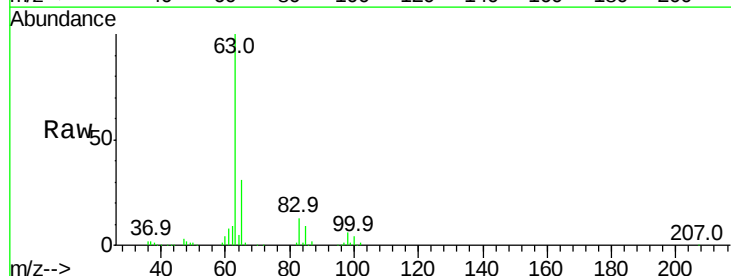
Tgt Ion: 63 Resp: 206531

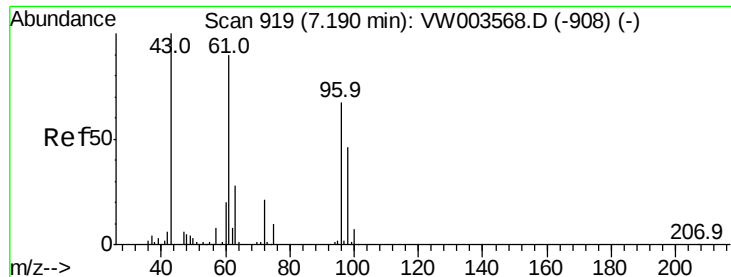
Ion Ratio Lower Upper

63 100

65 31.5 21.8 40.4

83 13.2 9.0 16.6





#21

2-Butanone

Concen: 56.451 ug/L

RT: 7.18 min Scan# 918

Delta R.T. -0.01 min

Lab File: VW003738.D

Acq: 06 Jul 2018 10:47

Instrument :

MSVOA_W

ClientSampleId :

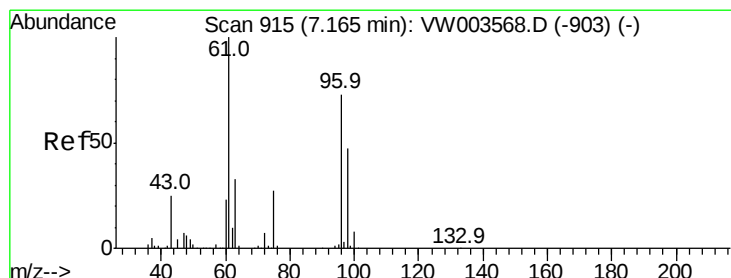
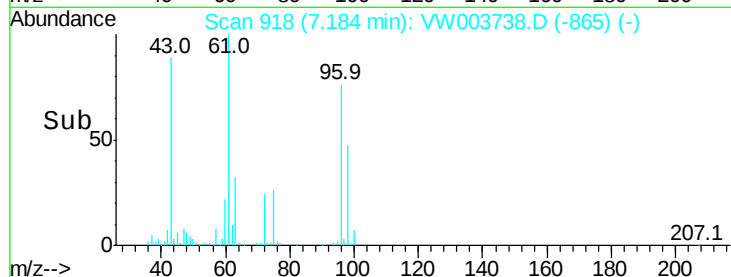
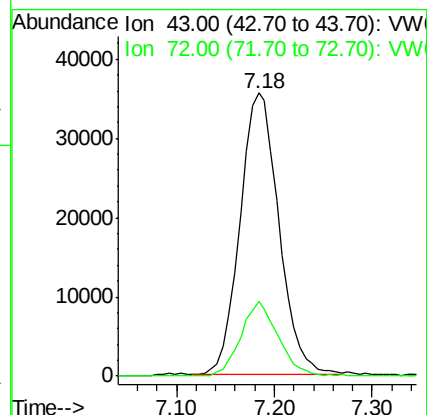
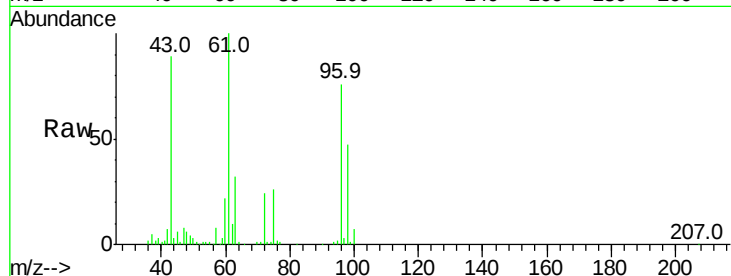
VSTD02583

Tgt Ion: 43 Resp: 98372

Ion Ratio Lower Upper

43 100

72 25.1 12.5 37.5



#22

cis-1,2-Dichloroethene

Concen: 26.074 ug/L

RT: 7.17 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW003738.D

Acq: 06 Jul 2018 10:47

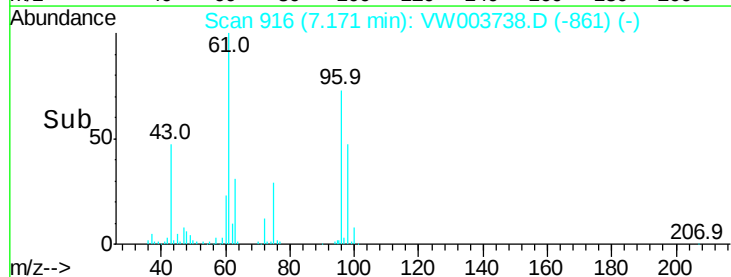
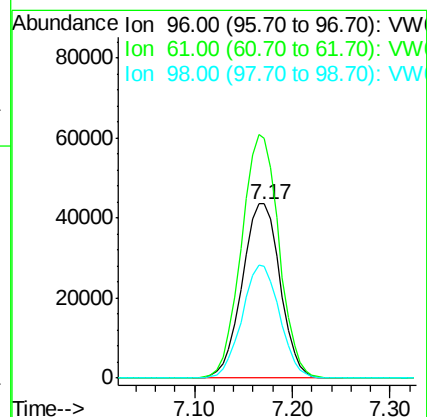
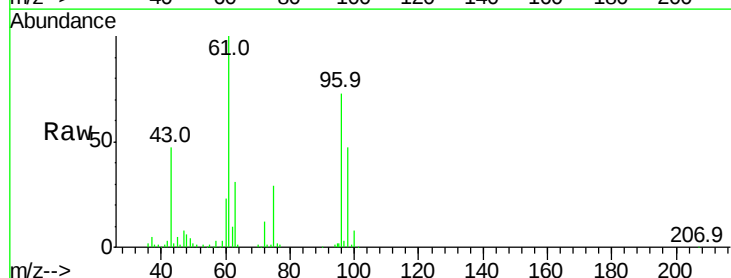
Tgt Ion: 96 Resp: 117493

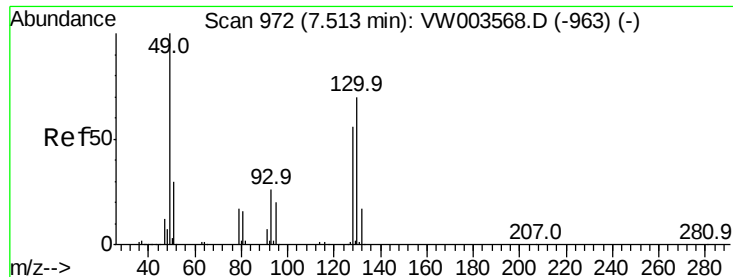
Ion Ratio Lower Upper

96 100

61 137.6 97.7 181.5

98 64.4 45.0 83.6

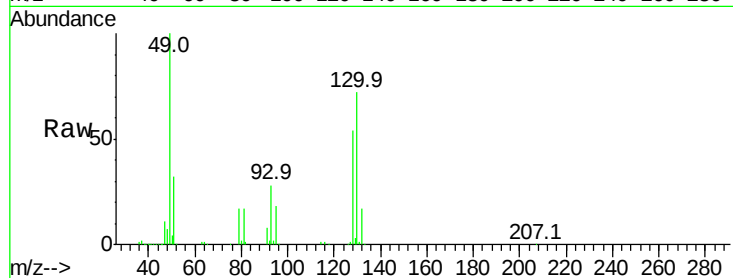




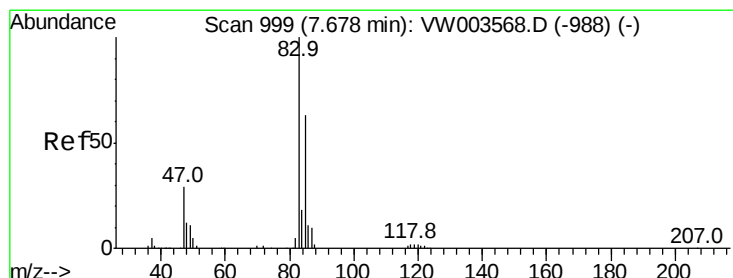
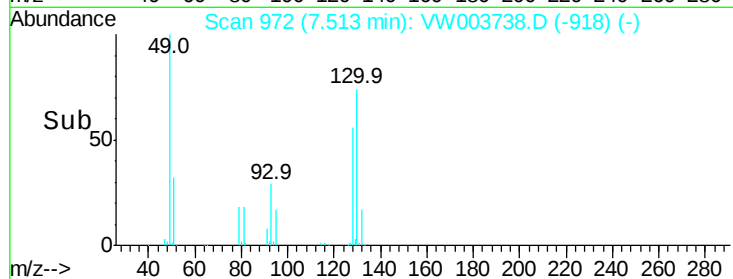
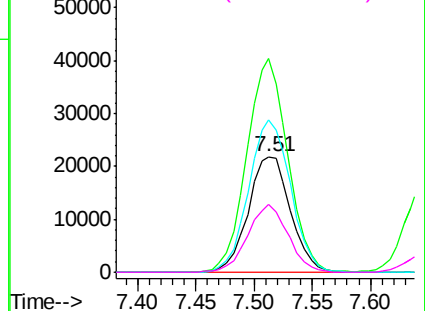
#23
Bromochloromethane
Concen: 26.441 ug/L
RT: 7.51 min Scan# 972
Delta R.T. -0.00 min
Lab File: VW003738.D
Acq: 06 Jul 2018 10:47

Instrument :
MSVOA_W
ClientSampleId :
VSTD02583

Tgt Ion:128 Resp: 55118
Ion Ratio Lower Upper
128 100
49 184.8 122.0 226.6
130 132.2 88.1 163.5
51 58.6 43.5 65.3

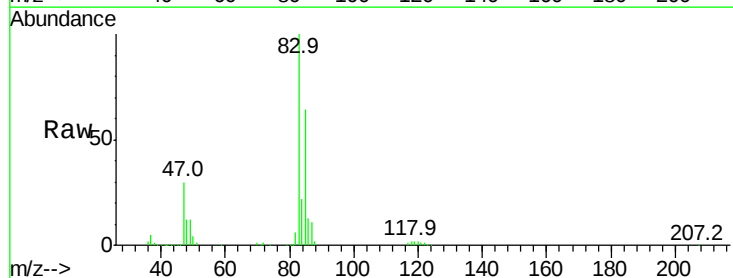


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): V
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): V

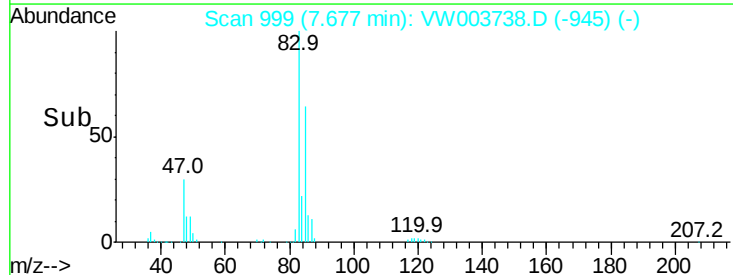
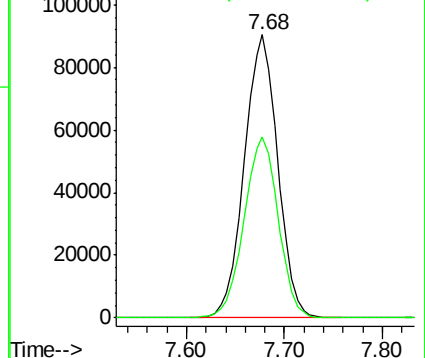


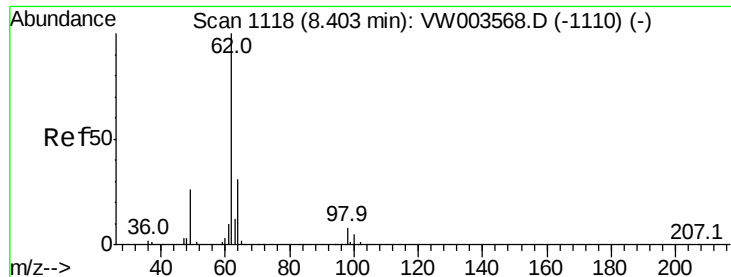
#25
Chloroform
Concen: 26.411 ug/L
RT: 7.68 min Scan# 999
Delta R.T. -0.00 min
Lab File: VW003738.D
Acq: 06 Jul 2018 10:47

Tgt Ion: 83 Resp: 214850
Ion Ratio Lower Upper
83 100
85 65.6 46.1 85.5



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

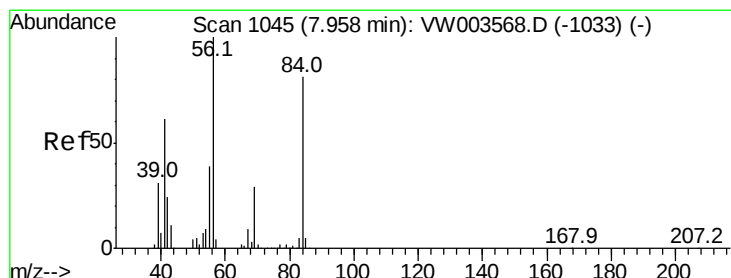
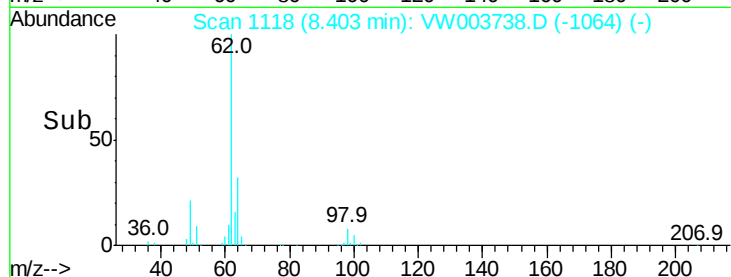
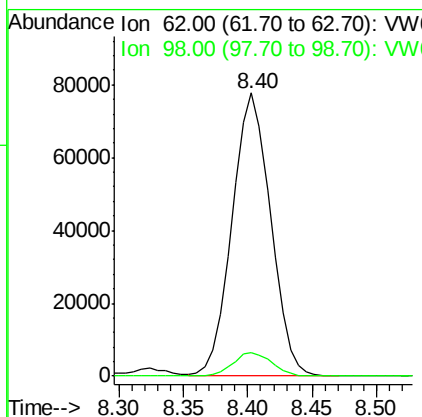
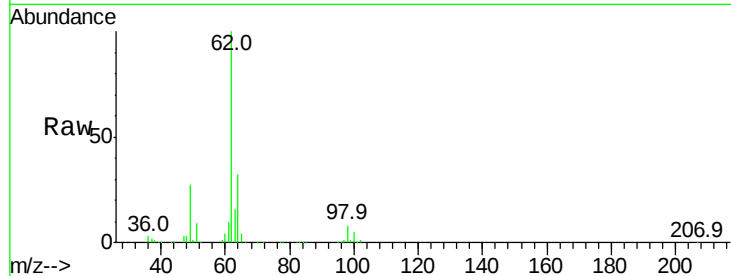




#27
 1,2-Dichloroethane
 Concen: 27.491 ug/L
 RT: 8.40 min Scan# 1118
 Delta R.T. -0.00 min
 Lab File: VW003738.D
 Acq: 06 Jul 2018 10:47

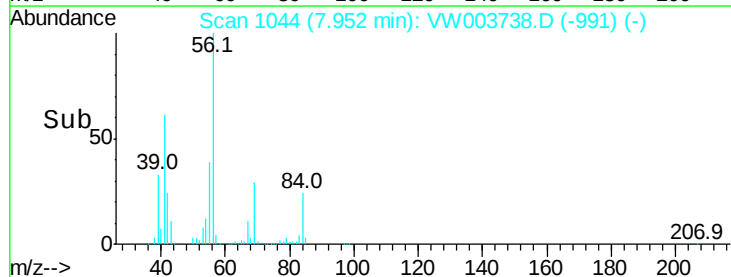
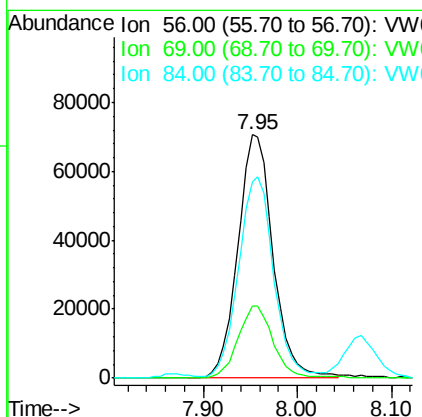
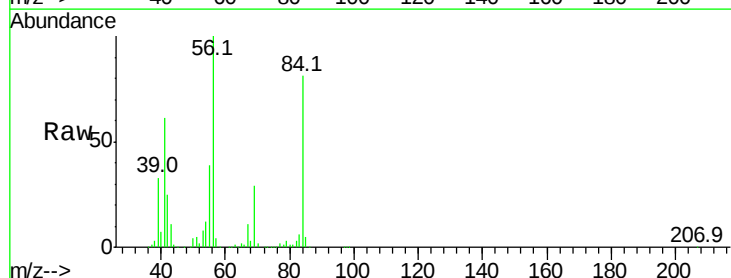
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02583

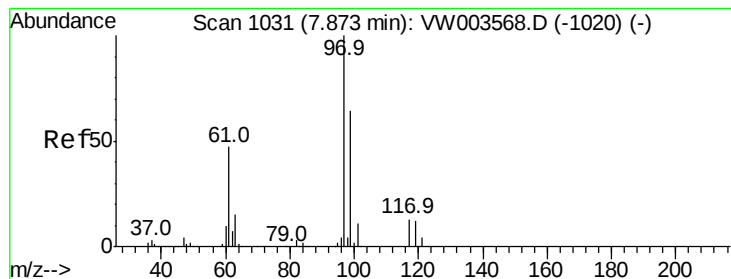
Tgt Ion: 62 Resp: 161950
 Ion Ratio Lower Upper
 62 100
 98 8.3 6.5 9.7



#30
 Cyclohexane
 Concen: 25.398 ug/L
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.01 min
 Lab File: VW003738.D
 Acq: 06 Jul 2018 10:47

Tgt Ion: 56 Resp: 184282
 Ion Ratio Lower Upper
 56 100
 69 29.4 23.4 35.2
 84 82.3 67.4 101.0





#31

1,1,1-Trichloroethane

Concen: 24.280 ug/L

RT: 7.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VW003738.D

Acq: 06 Jul 2018 10:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD02583

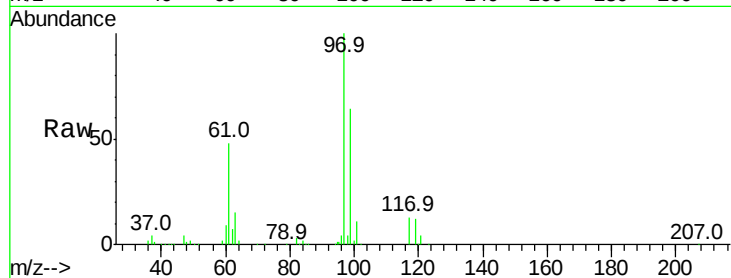
Tgt Ion: 97 Resp: 167641

Ion Ratio Lower Upper

97 100

99 64.3 50.9 76.3

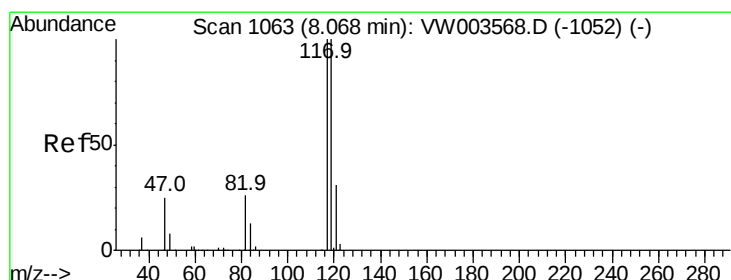
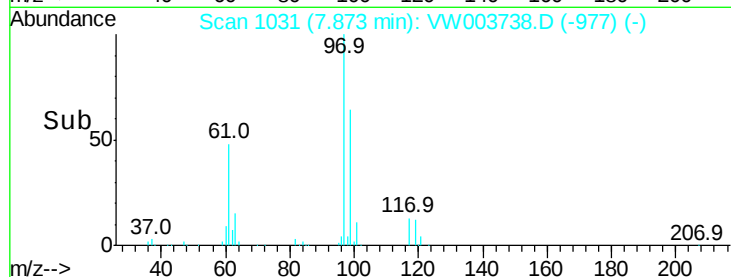
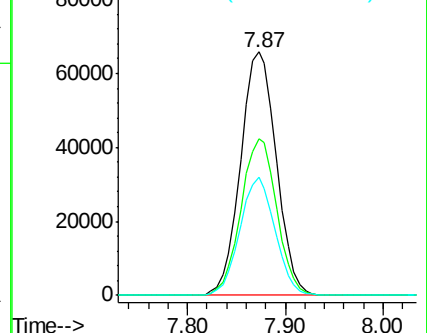
61 47.7 37.7 56.5



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: 24.895 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VW003738.D

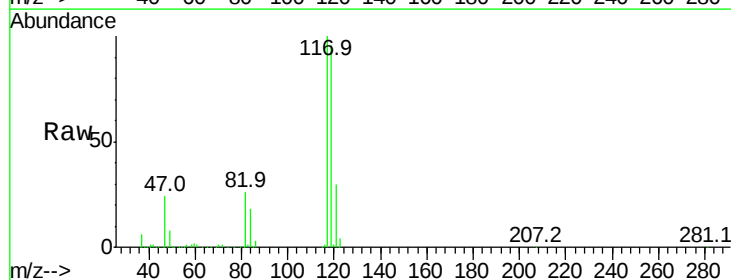
Acq: 06 Jul 2018 10:47

Tgt Ion: 117 Resp: 166061

Ion Ratio Lower Upper

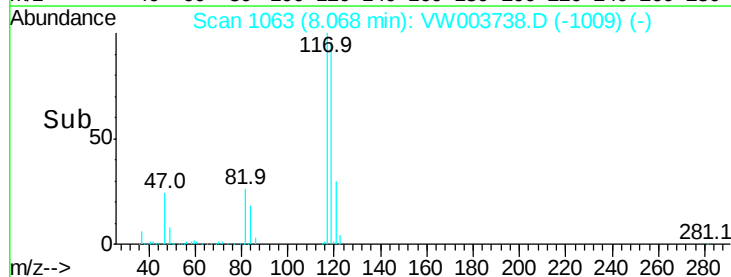
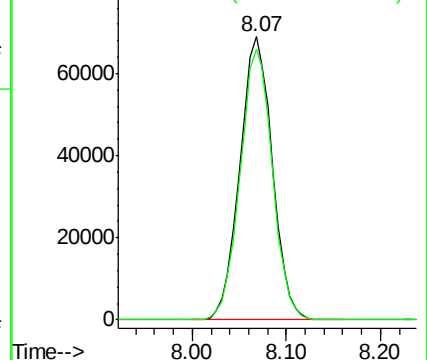
117 100

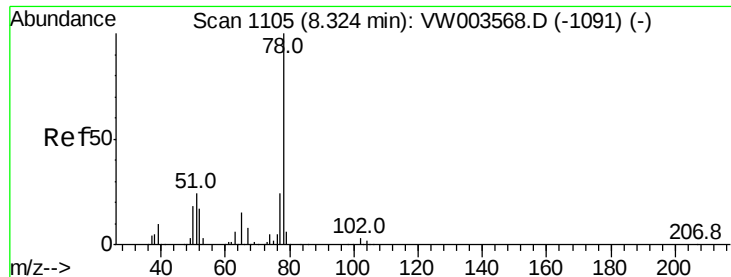
119 95.1 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V





#34

Benzene

Concen: 26.439 ug/L

RT: 8.32 min Scan# 1105

Delta R.T. -0.00 min

Lab File: VW003738.D

Acq: 06 Jul 2018 10:47

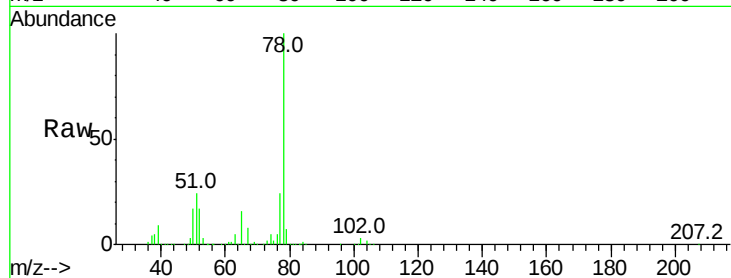
Instrument :

MSVOA_W

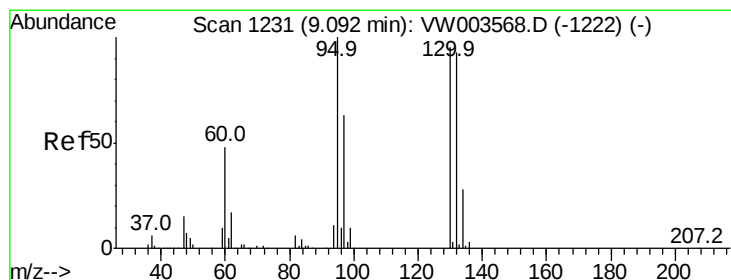
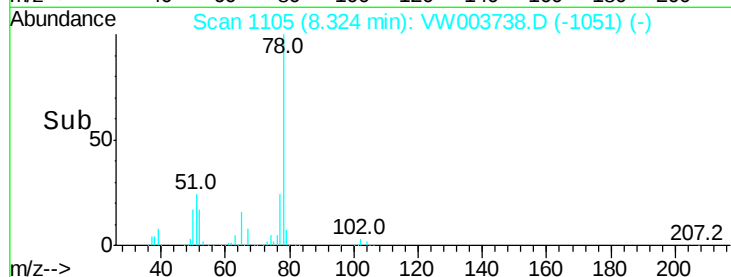
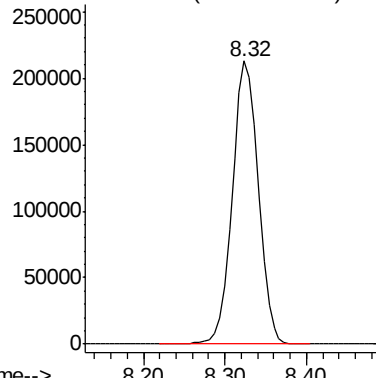
ClientSampleId :

VSTD02583

Tgt Ion: 78 Resp: 473804



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 25.432 ug/L

RT: 9.09 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VW003738.D

Acq: 06 Jul 2018 10:47

Tgt Ion: 95 Resp: 122838

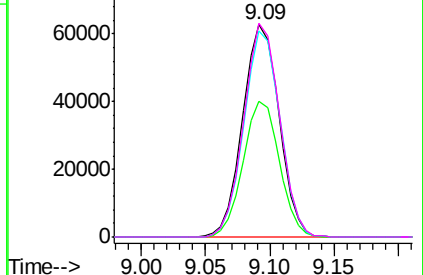
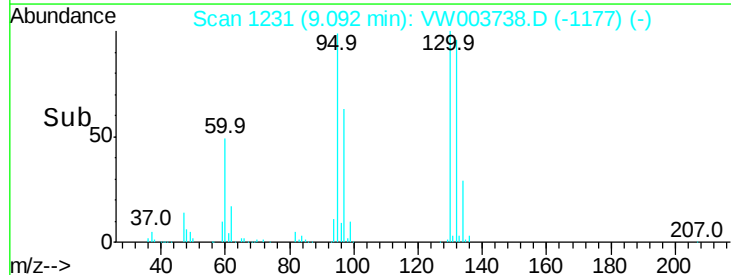
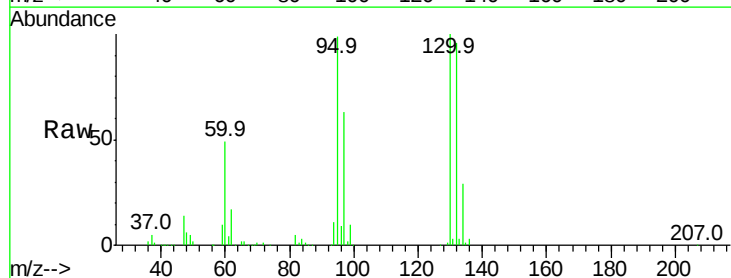
Ion	Ratio	Lower	Upper
95	100		
97	63.7	45.6	84.6
132	96.1	67.8	125.8
130	99.0	70.6	131.0

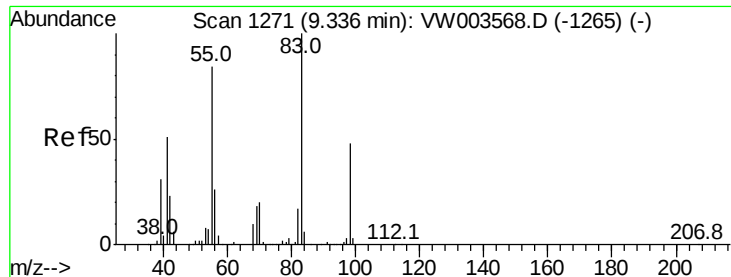
Abundance Ion 95.00 (94.70 to 95.70): VW

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

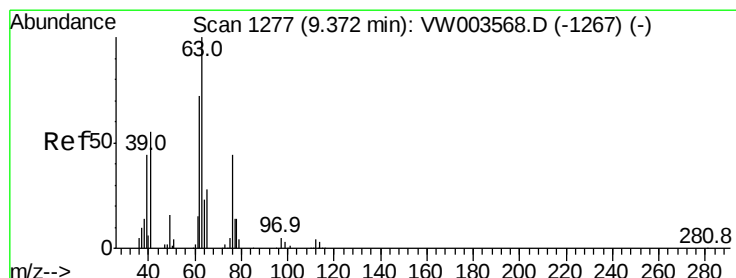
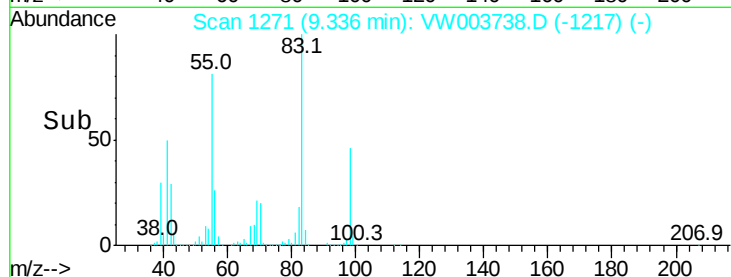
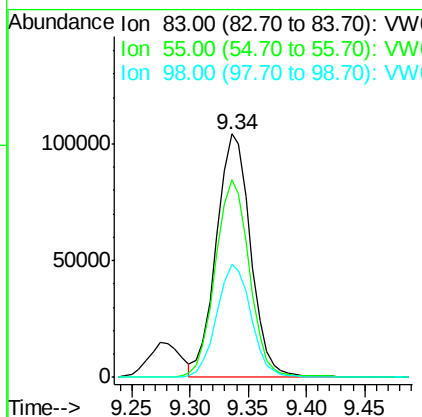
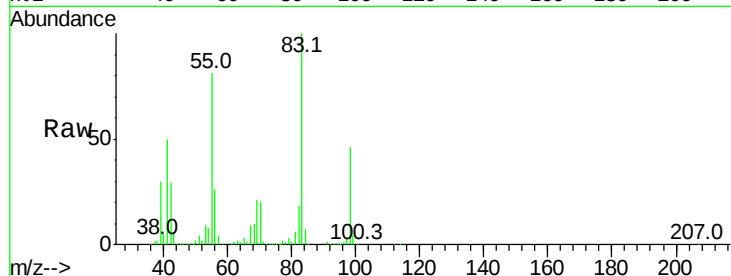




#36
Methylcyclohexane
Concen: 25.848 ug/L
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW003738.D
Acq: 06 Jul 2018 10:47

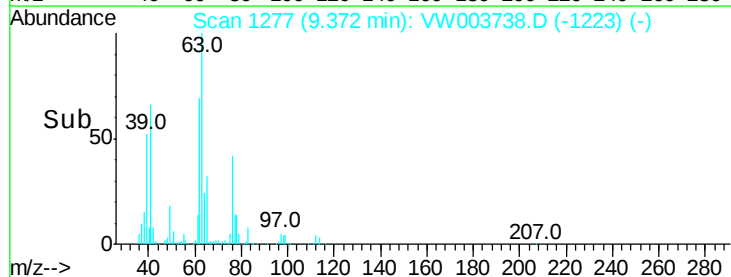
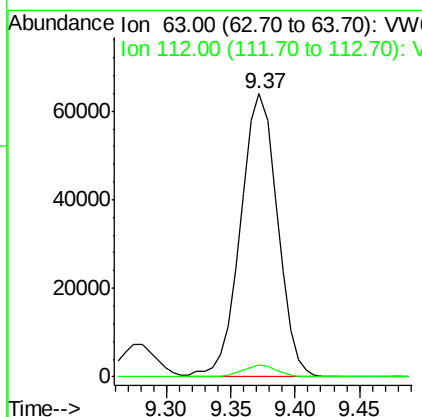
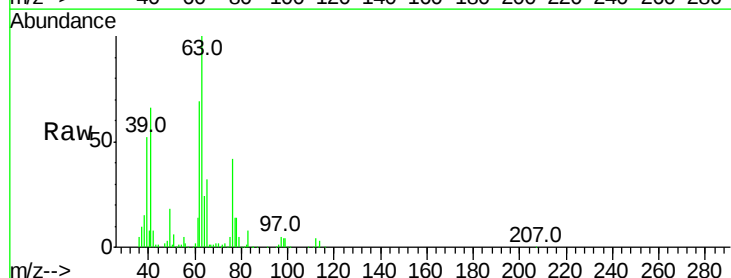
Instrument :
MSVOA_W
ClientSampled :
VSTD02583

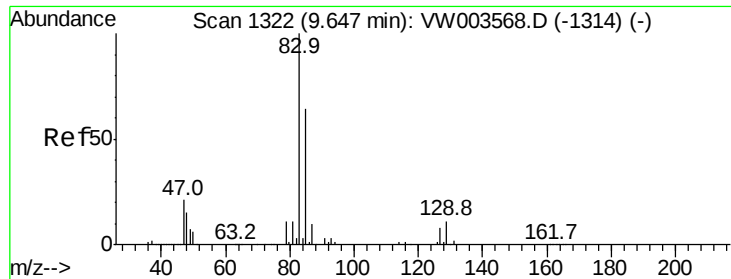
Tgt Ion: 83 Resp: 213143
Ion Ratio Lower Upper
83 100
55 80.4 63.9 95.9
98 46.3 37.1 55.7



#40
1,2-Dichloropropane
Concen: 26.892 ug/L
RT: 9.37 min Scan# 1277
Delta R.T. -0.00 min
Lab File: VW003738.D
Acq: 06 Jul 2018 10:47

Tgt Ion: 63 Resp: 126825
Ion Ratio Lower Upper
63 100
112 3.9 3.4 5.0

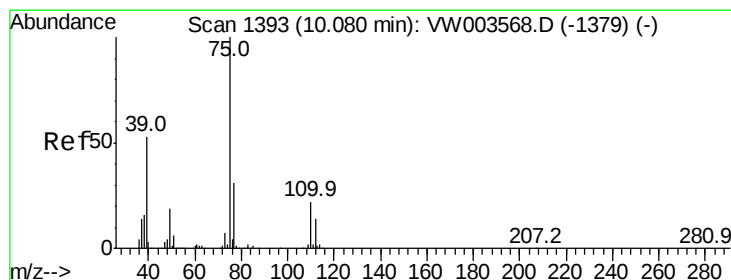
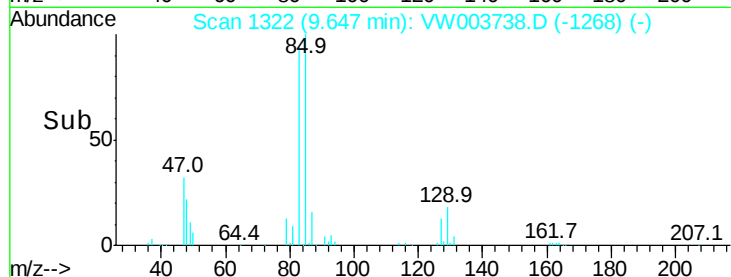
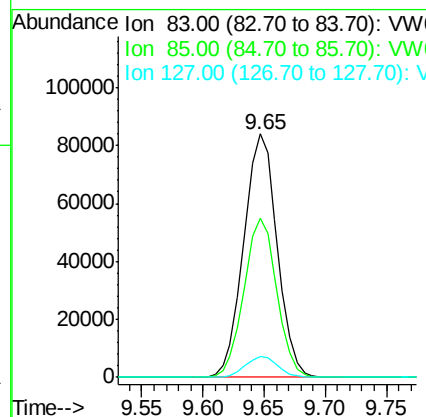
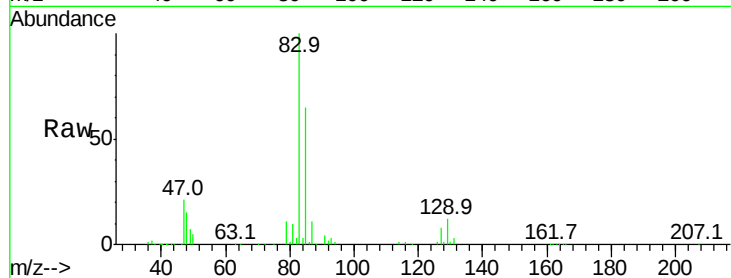




#41
Bromodichloromethane
Concen: 26.257 ug/L
RT: 9.65 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VW003738.D
Acq: 06 Jul 2018 10:47

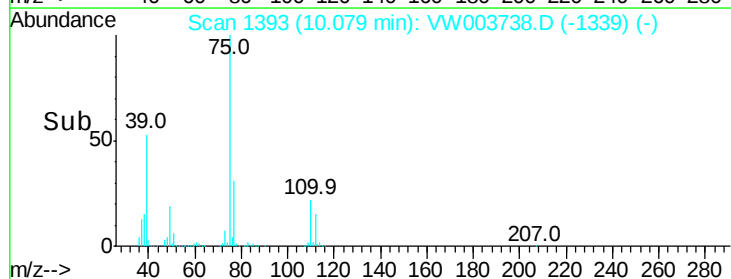
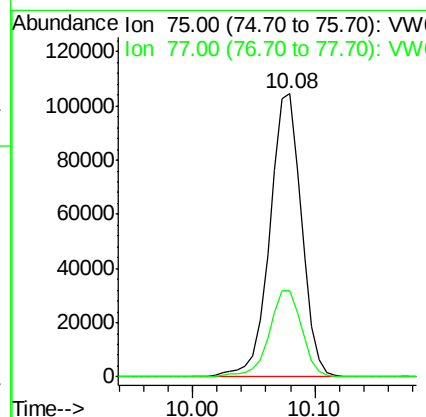
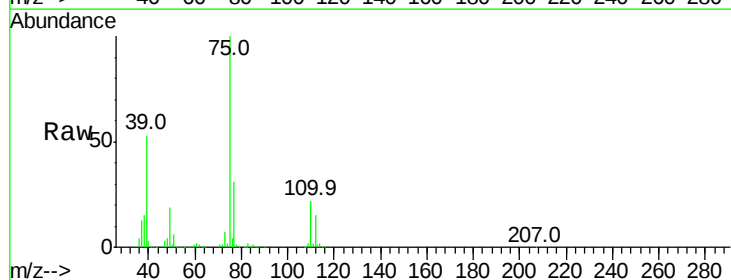
Instrument :
MSVOA_W
ClientSampleId :
VSTD02583

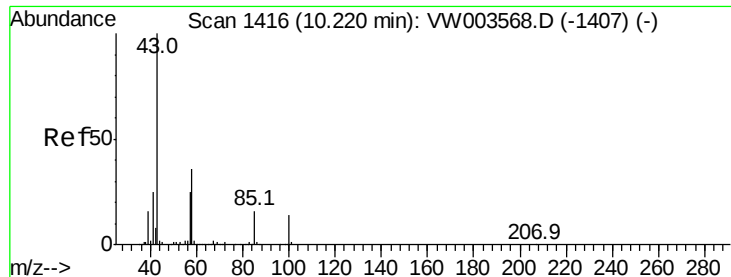
Tgt Ion: 83 Resp: 159160
Ion Ratio Lower Upper
83 100
85 65.4 44.7 83.1
127 8.3 6.2 9.2



#42
cis-1,3-Dichloropropene
Concen: 26.792 ug/L
RT: 10.08 min Scan# 1393
Delta R.T. -0.00 min
Lab File: VW003738.D
Acq: 06 Jul 2018 10:47

Tgt Ion: 75 Resp: 188571
Ion Ratio Lower Upper
75 100
77 30.6 21.8 40.6

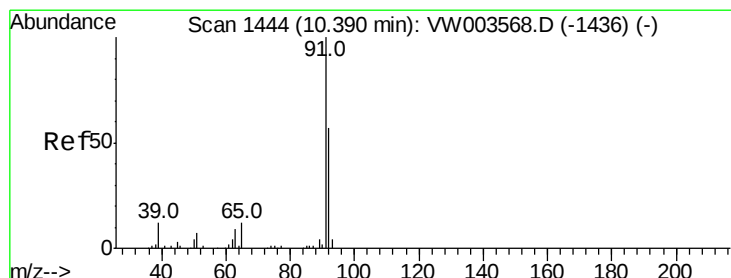
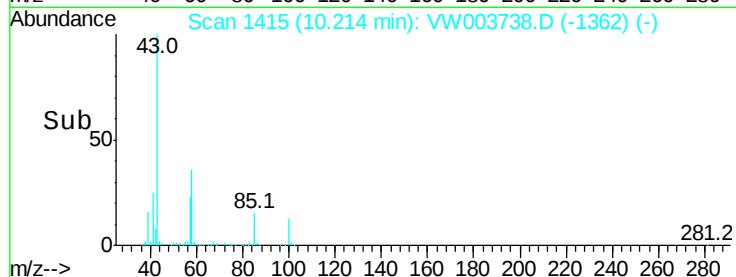
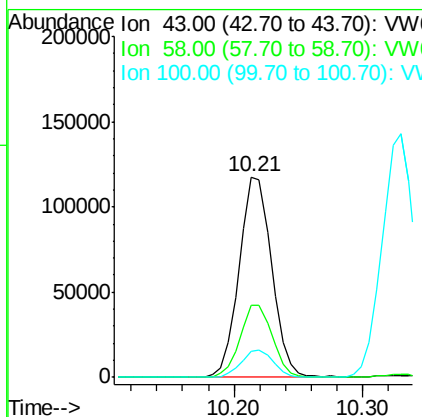
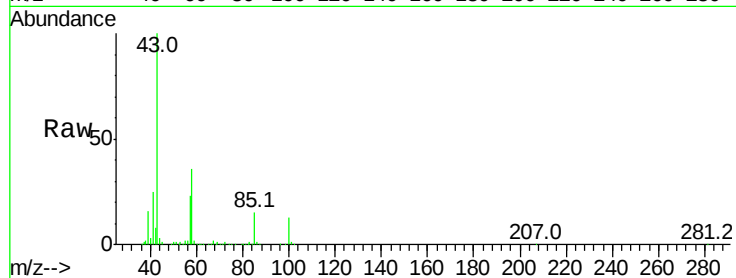




#43
 4-Methyl-2-pentanone
 Concen: 61.018 ug/L
 RT: 10.21 min Scan# 1415
 Delta R.T. -0.01 min
 Lab File: VW003738.D
 Acq: 06 Jul 2018 10:47

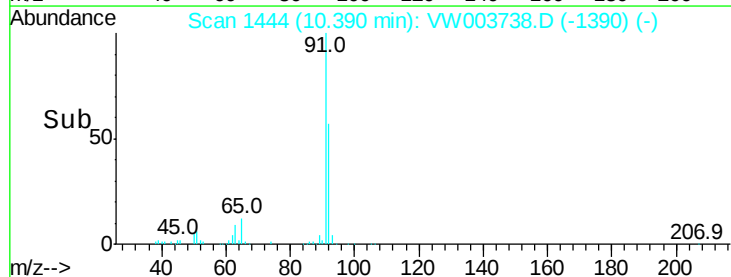
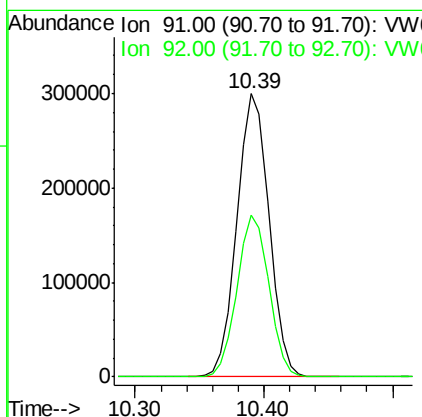
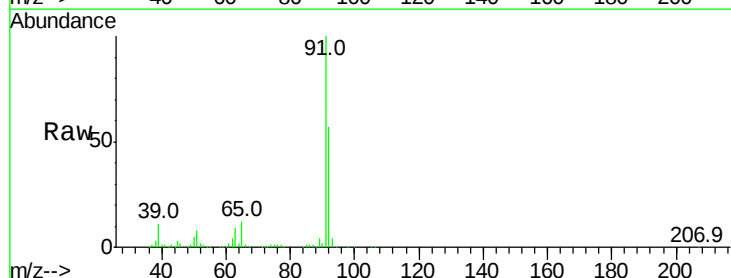
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02583

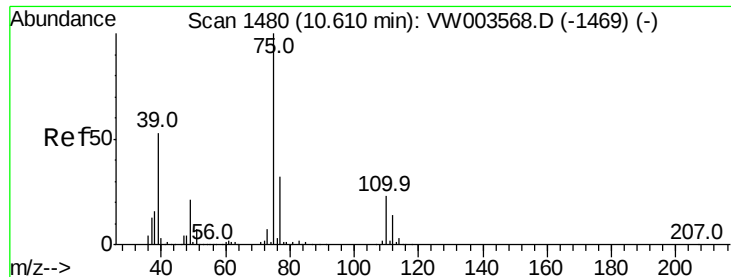
Tgt Ion: 43 Resp: 205581
 Ion Ratio Lower Upper
 43 100
 58 35.7 28.7 43.1
 100 13.4 11.1 16.7



#44
 Toluene
 Concen: 26.623 ug/L
 RT: 10.39 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: VW003738.D
 Acq: 06 Jul 2018 10:47

Tgt Ion: 91 Resp: 517440
 Ion Ratio Lower Upper
 91 100
 92 57.2 39.5 73.4





#45

trans-1,3-Dichloropropene

Concen: 27.585 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW003738.D

Acq: 06 Jul 2018 10:47

Instrument :

MSVOA_W

ClientSampleId :

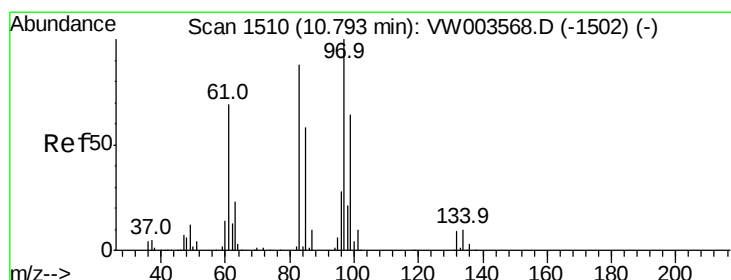
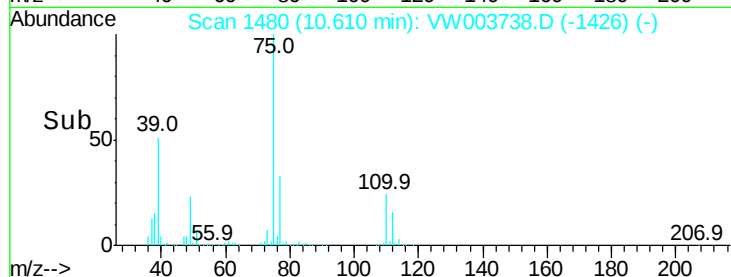
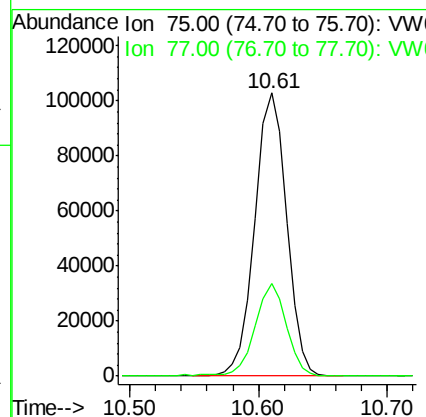
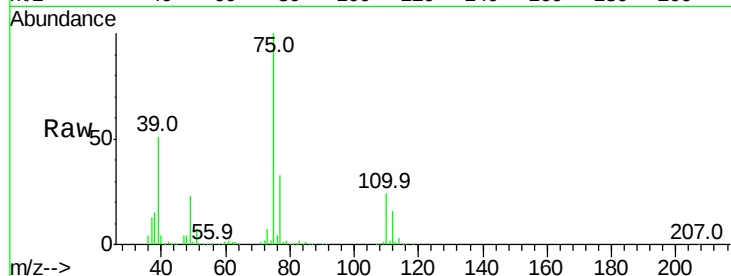
VSTD02583

Tgt Ion: 75 Resp: 175684

Ion Ratio Lower Upper

75 100

77 32.6 22.4 41.6



#46

1,1,2-Trichloroethane

Concen: 27.648 ug/L

RT: 10.79 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VW003738.D

Acq: 06 Jul 2018 10:47

Tgt Ion: 97 Resp: 97340

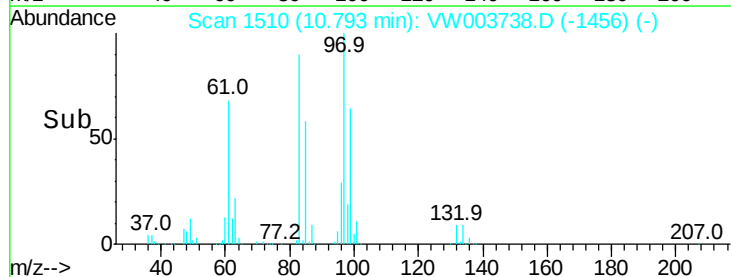
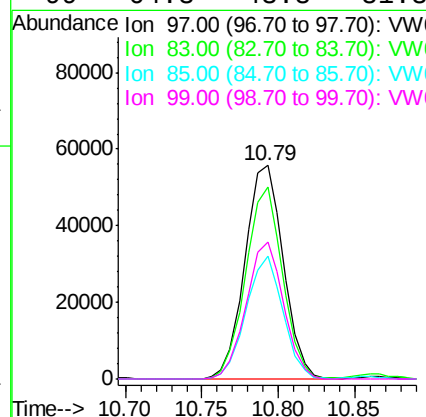
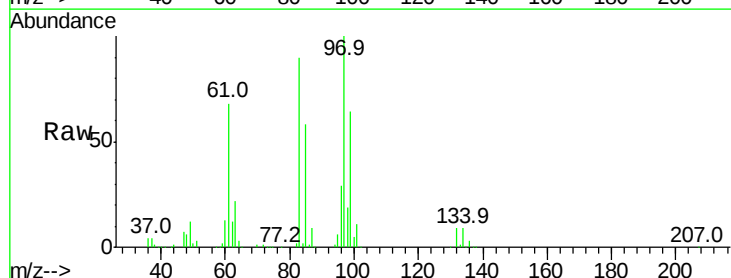
Ion Ratio Lower Upper

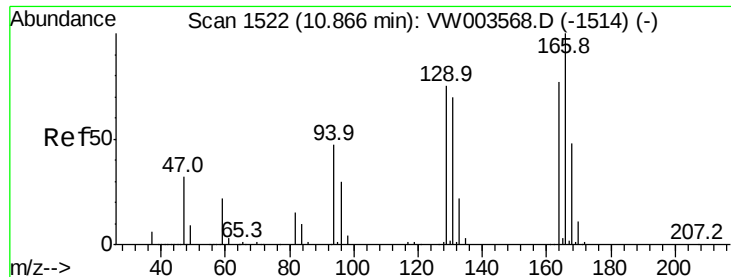
97 100

83 89.6 58.8 109.2

85 57.6 38.8 72.0

99 64.3 43.8 81.3

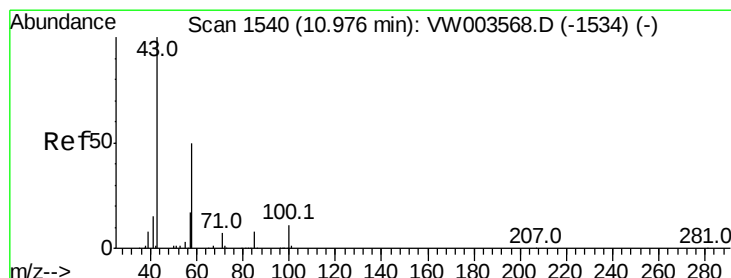
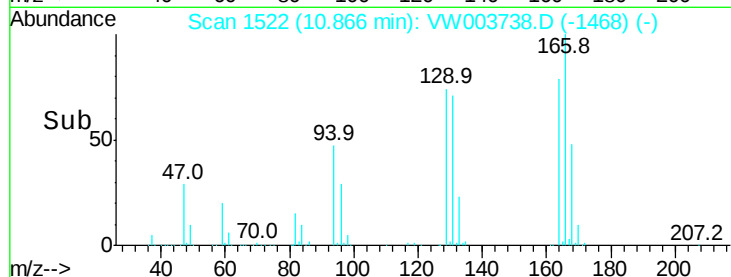
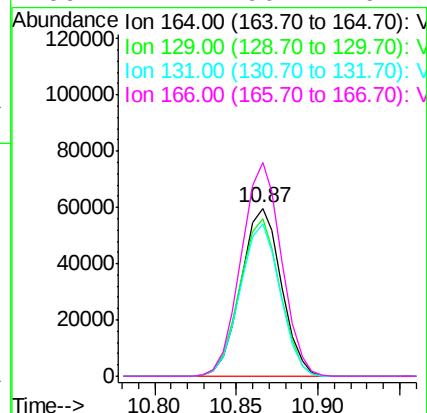
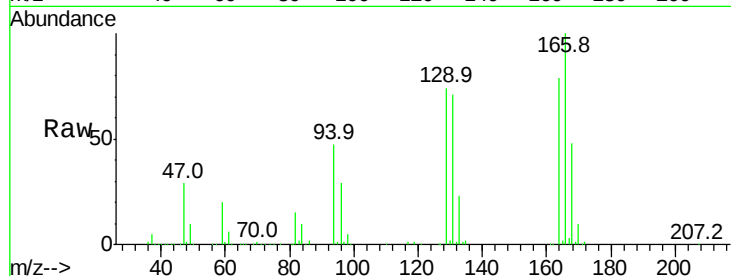




#47
Tetrachloroethene
Concen: 25.417 ug/L
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW003738.D
Acq: 06 Jul 2018 10:47

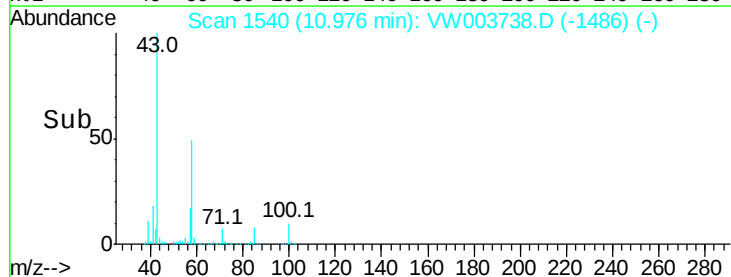
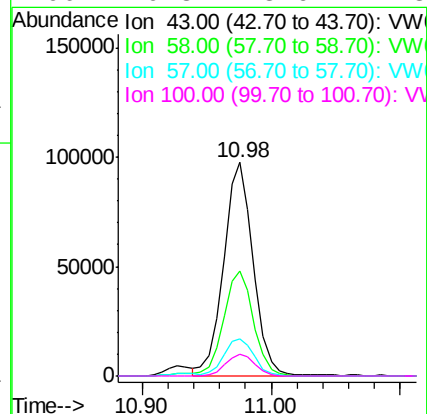
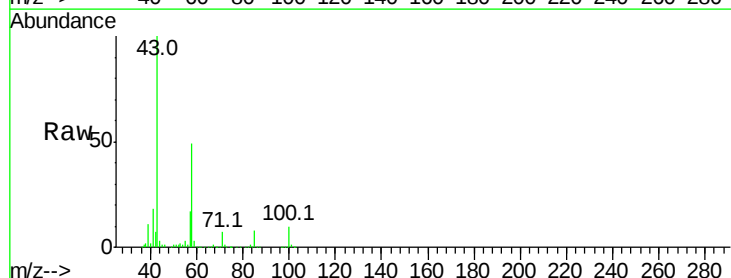
Instrument :
MSVOA_W
ClientSampleId :
VSTD02583

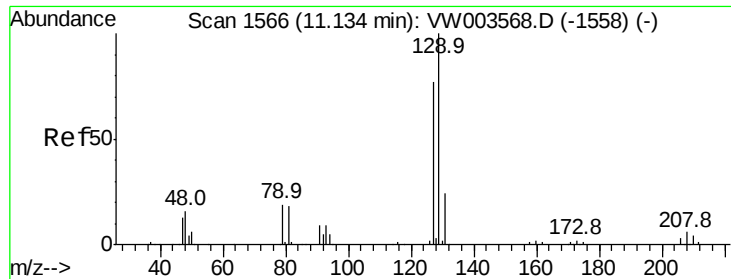
Tgt Ion:164 Resp: 103165
Ion Ratio Lower Upper
164 100
129 94.1 67.3 124.9
131 90.6 63.8 118.4
166 127.2 90.2 167.4



#49
2-Hexanone
Concen: 62.680 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW003738.D
Acq: 06 Jul 2018 10:47

Tgt Ion: 43 Resp: 157373
Ion Ratio Lower Upper
43 100
58 49.3 40.4 60.6
57 17.8 14.6 21.8
100 10.3 8.6 12.8





#50

Dibromochloromethane

Concen: 26.816 ug/L

RT: 11.13 min Scan# 1565

Delta R.T. -0.01 min

Lab File: VW003738.D

Acq: 06 Jul 2018 10:47

Instrument :

MSVOA_W

ClientSampleId :

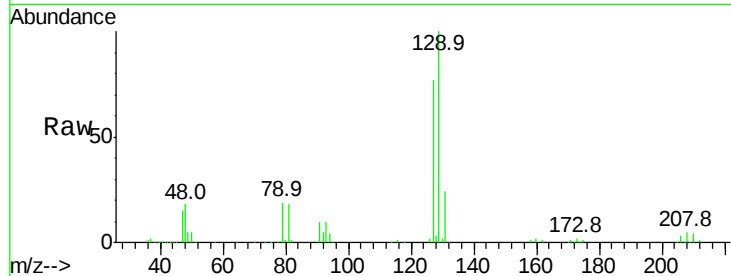
VSTD02583

Tgt Ion:129 Resp: 114933

Ion Ratio Lower Upper

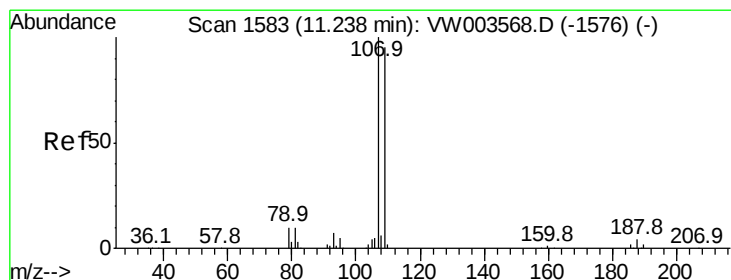
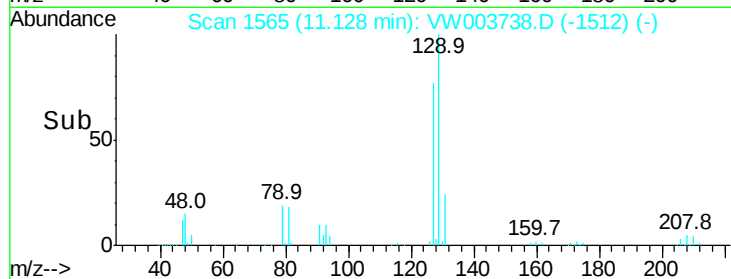
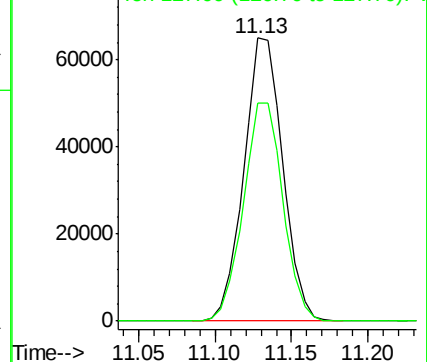
129 100

127 77.1 56.0 104.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#51

1,2-Dibromoethane

Concen: 27.529 ug/L

RT: 11.24 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VW003738.D

Acq: 06 Jul 2018 10:47

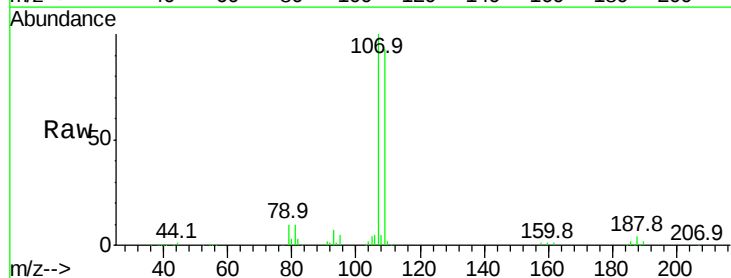
Tgt Ion:107 Resp: 96312

Ion Ratio Lower Upper

107 100

109 92.5 64.5 119.9

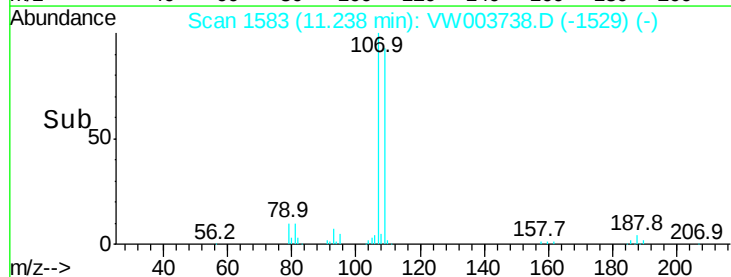
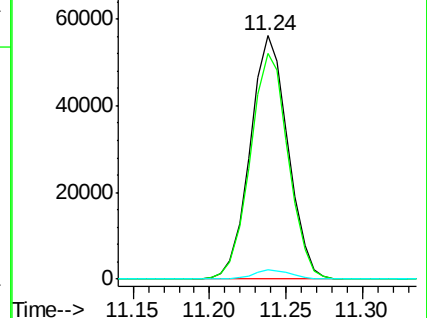
188 4.2 2.8 4.2

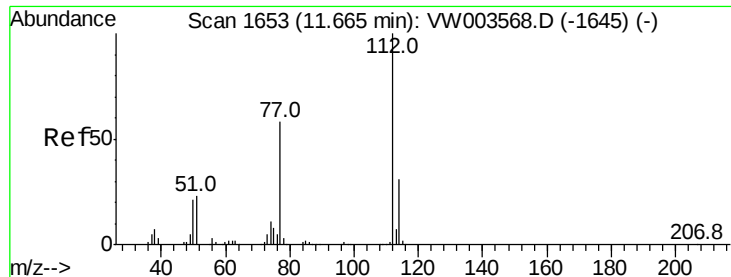


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#52

Chlorobenzene

Concen: 26.083 ug/L

RT: 11.66 min Scan# 1652

Delta R.T. -0.01 min

Lab File: VW003738.D

Acq: 06 Jul 2018 10:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD02583

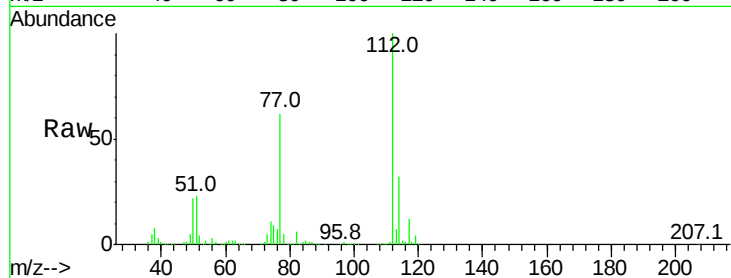
Tgt Ion:112 Resp: 329189

Ion Ratio Lower Upper

112 100

77 62.4 47.3 70.9

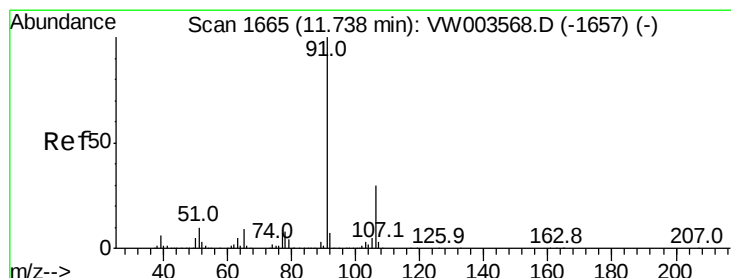
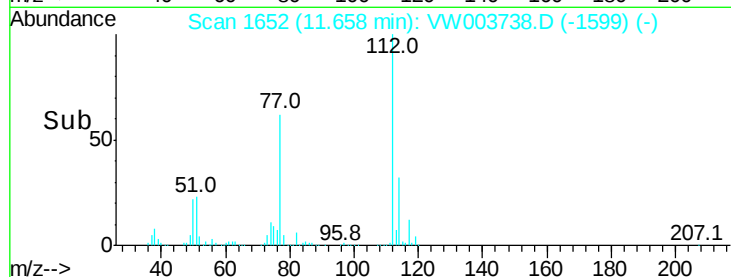
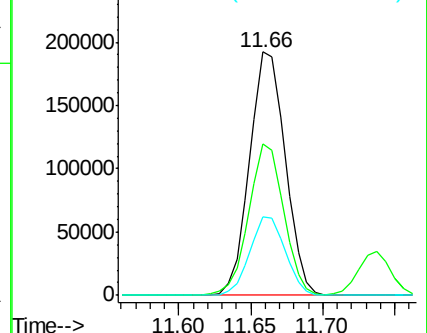
114 32.1 22.2 41.2



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: 26.744 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW003738.D

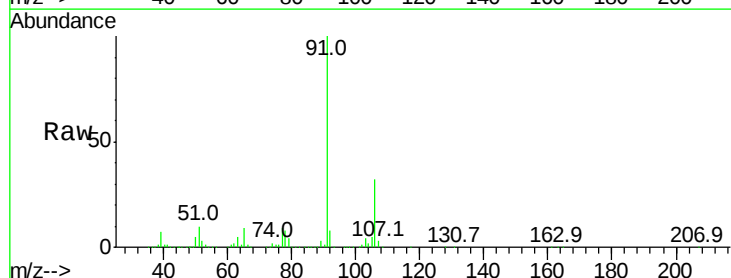
Acq: 06 Jul 2018 10:47

Tgt Ion: 91 Resp: 583029

Ion Ratio Lower Upper

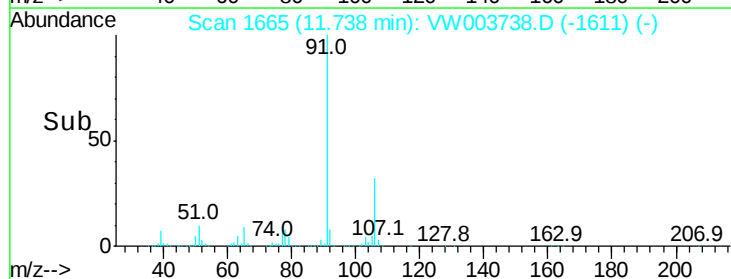
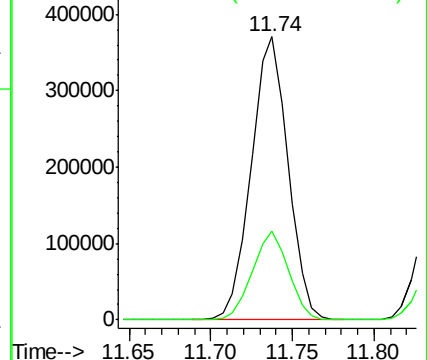
91 100

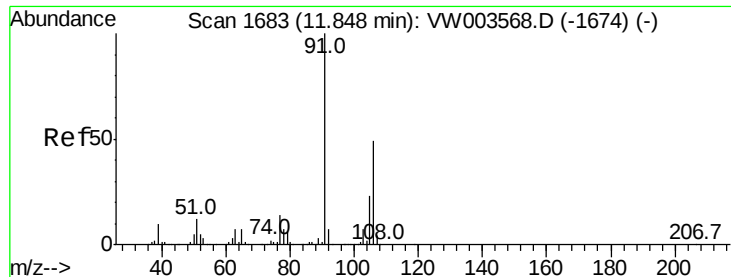
106 31.6 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): VW





#54

m,p-Xylene

Concen: 27.268 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW003738.D

Acq: 06 Jul 2018 10:47

Instrument :

MSVOA_W

ClientSampled :

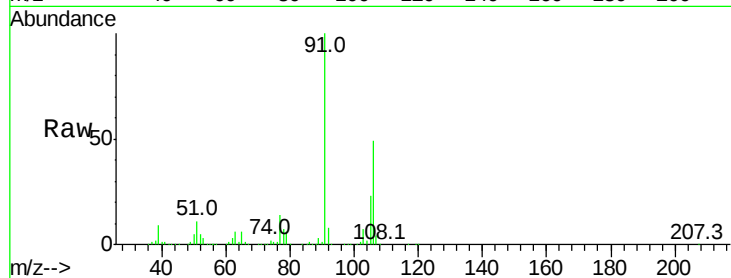
VSTD02583

Tgt Ion:106 Resp: 220775

Ion Ratio Lower Upper

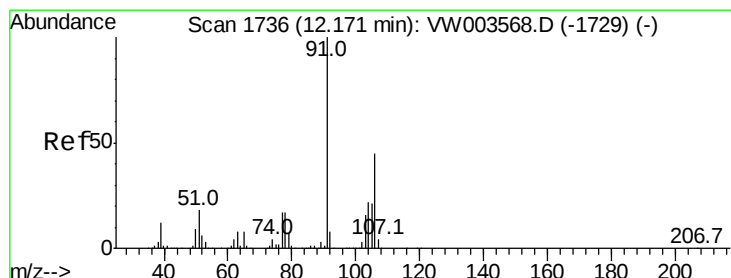
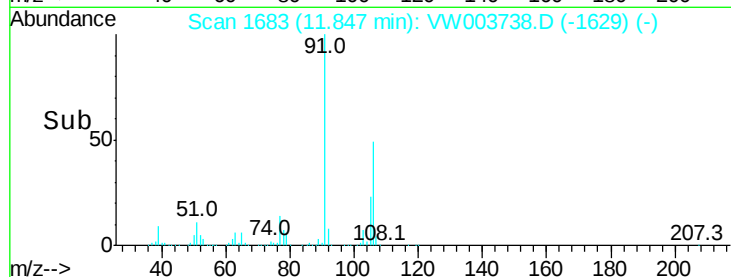
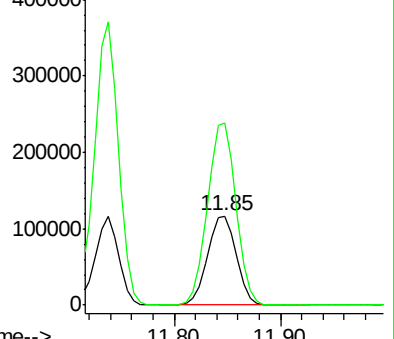
106 100

91 203.5 146.4 271.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 26.904 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VW003738.D

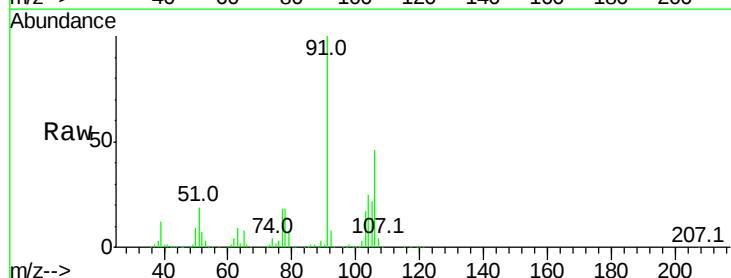
Acq: 06 Jul 2018 10:47

Tgt Ion:106 Resp: 207202

Ion Ratio Lower Upper

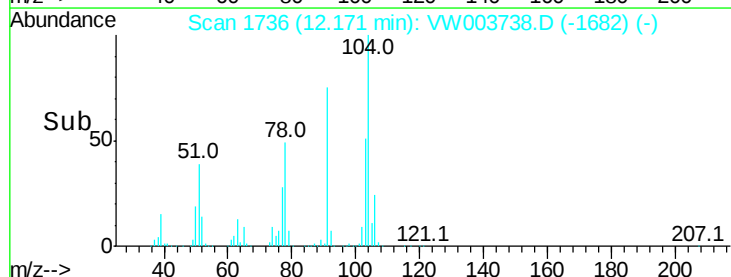
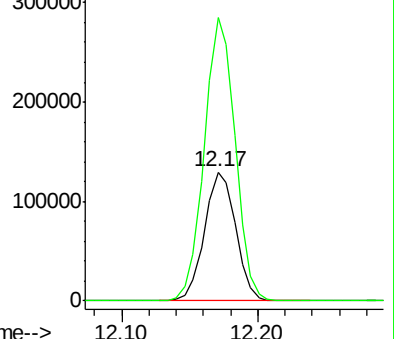
106 100

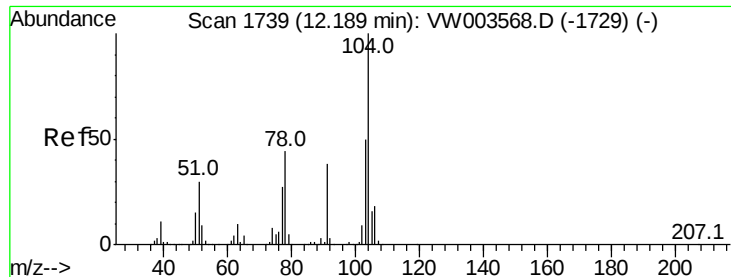
91 219.6 153.4 285.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Styrene

Concen: 27.877 ug/L

RT: 12.19 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VW003738.D

Acq: 06 Jul 2018 10:47

Instrument :

MSVOA_W

ClientSampleId :

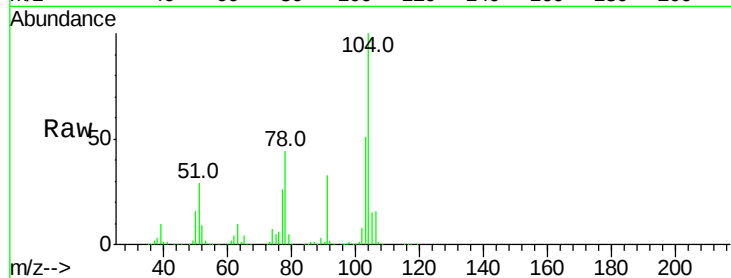
VSTD02583

Tgt Ion:104 Resp: 370673

Ion Ratio Lower Upper

104 100

78 44.1 32.1 59.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

12.19

250000

200000

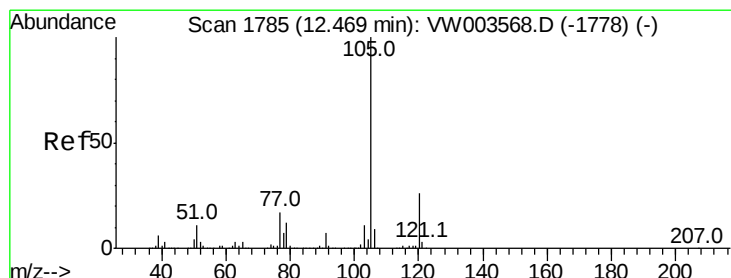
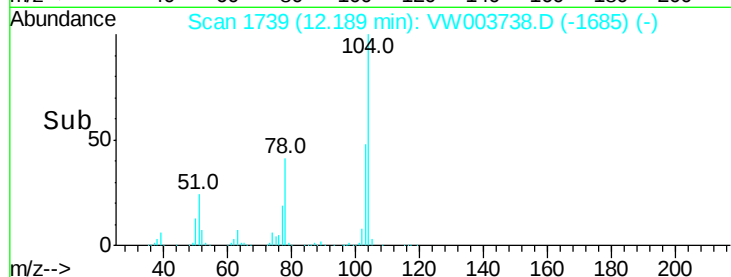
150000

100000

50000

0

Time--> 12.10 12.20 12.30



#57

Isopropylbenzene

Concen: 26.747 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW003738.D

Acq: 06 Jul 2018 10:47

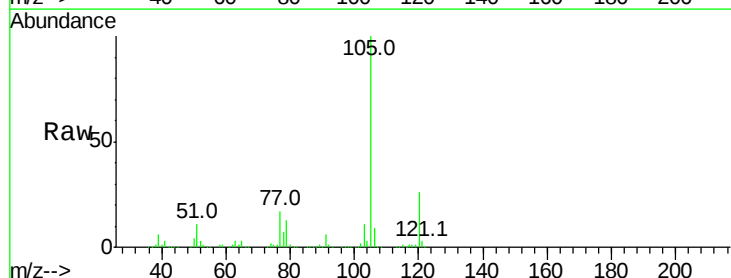
Tgt Ion:105 Resp: 571535

Ion Ratio Lower Upper

105 100

120 26.2 21.0 31.4

77 16.5 13.3 19.9



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

12.47

500000

400000

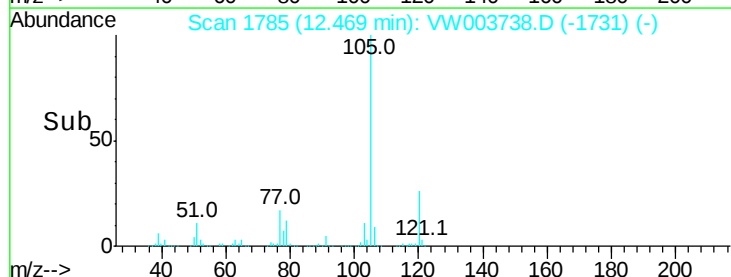
300000

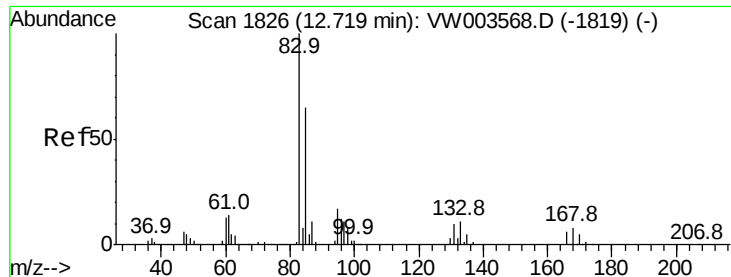
200000

100000

0

Time--> 12.40 12.45 12.50 12.55

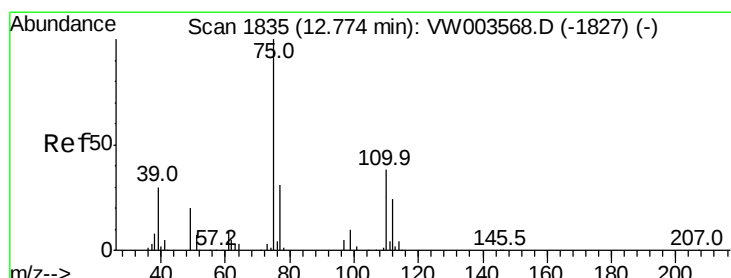
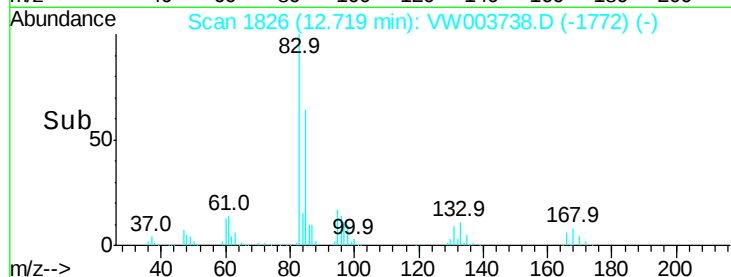
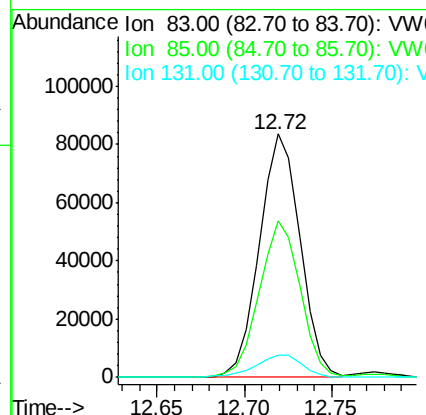
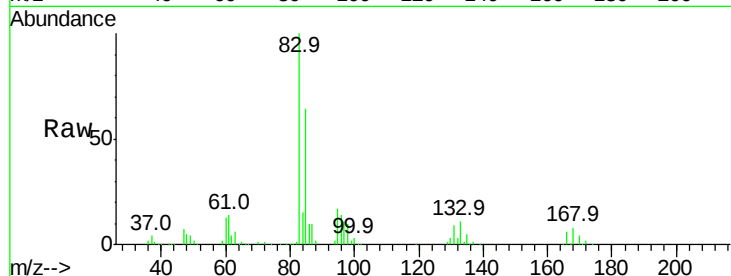




#58
 1,1,2,2-Tetrachloroethane
 Concen: 29.140 ug/L
 RT: 12.72 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VW003738.D
 Acq: 06 Jul 2018 10:47

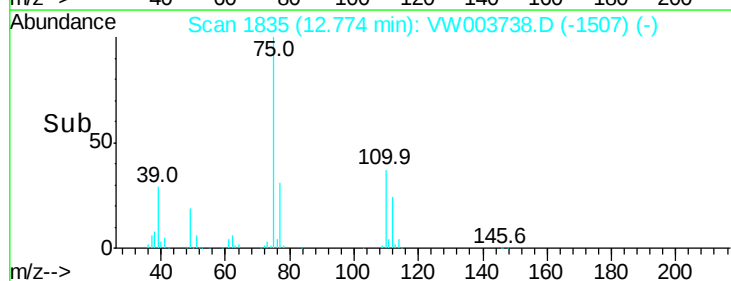
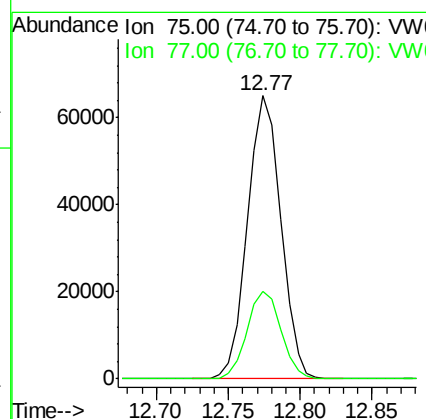
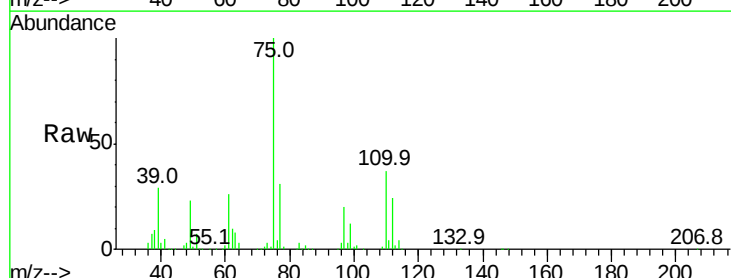
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02583

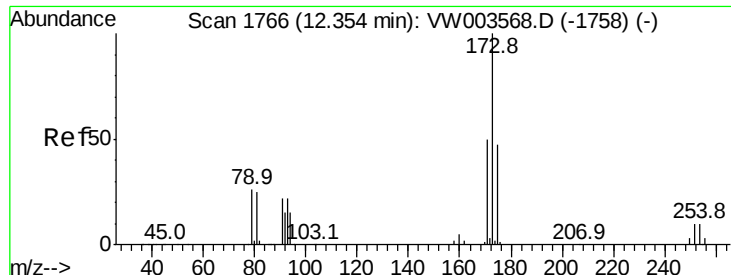
Tgt Ion: 83 Resp: 135245
 Ion Ratio Lower Upper
 83 100
 85 64.5 45.1 83.9
 131 9.4 8.2 12.2



#59
 1,2,3-Trichloropropane
 Concen: 29.279 ug/L
 RT: 12.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VW003738.D
 Acq: 06 Jul 2018 10:47

Tgt Ion: 75 Resp: 104143
 Ion Ratio Lower Upper
 75 100
 77 31.7 26.0 39.0

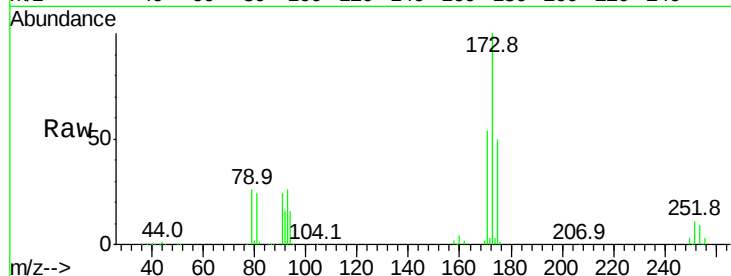




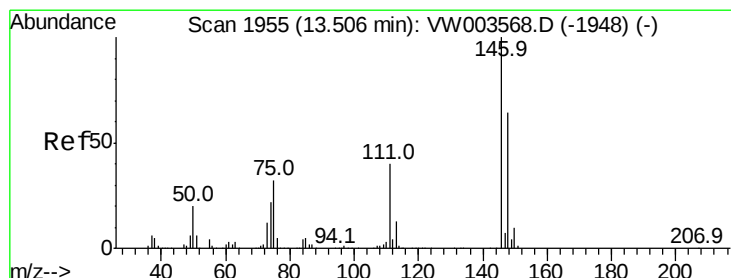
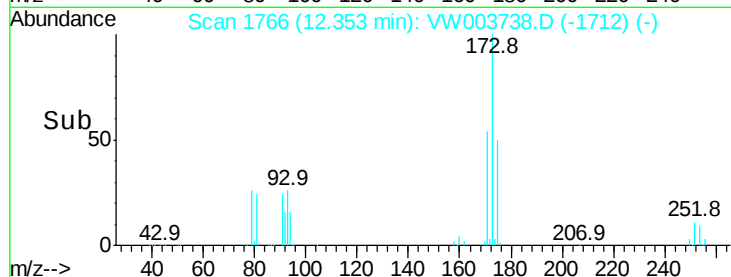
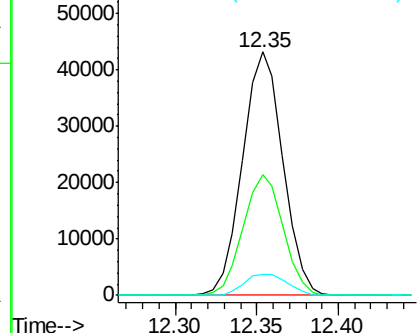
#62
Bromoform
Concen: 27.745 ug/L
RT: 12.35 min Scan# 1766
Delta R.T. -0.00 min
Lab File: VW003738.D
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Instrument :
MSVOA_W
ClientSampleId :
VSTD02583

Tgt Ion:173 Resp: 74506
Ion Ratio Lower Upper
173 100
175 49.4 39.9 59.9
254 9.2 7.7 11.5

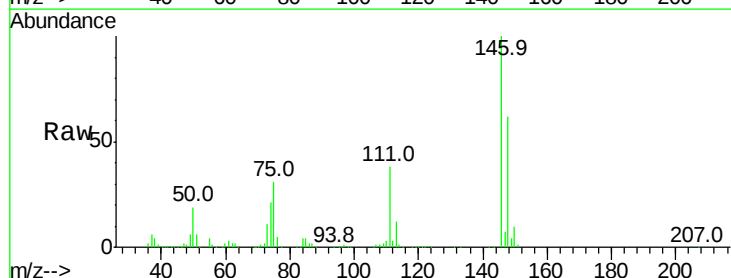


Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

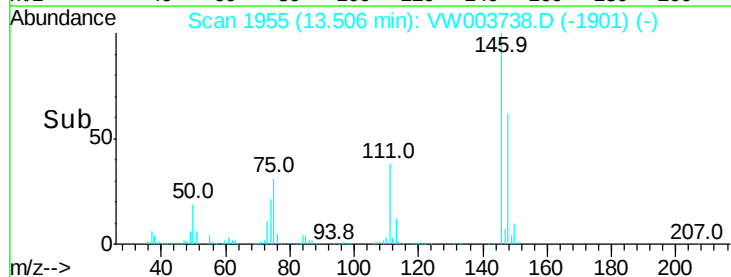
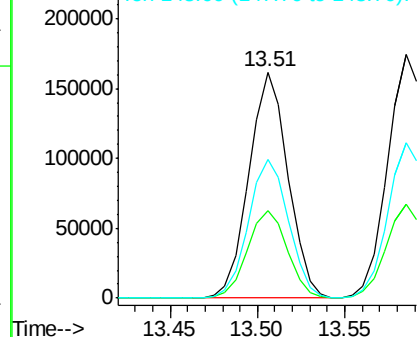


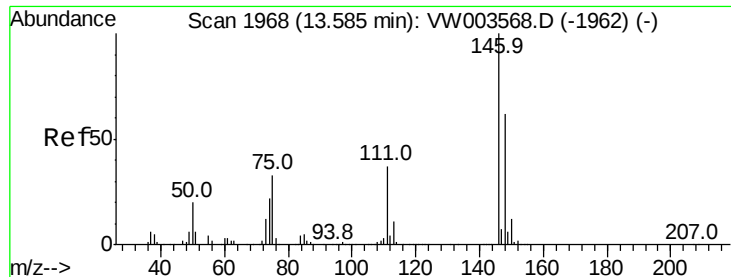
#63
1,3-Dichlorobenzene
Concen: 25.624 ug/L
RT: 13.51 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW003738.D
Acq: 06 Jul 2018 10:47

Tgt Ion:146 Resp: 251387
Ion Ratio Lower Upper
146 100
111 38.5 27.9 51.7
148 61.7 44.9 83.3



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

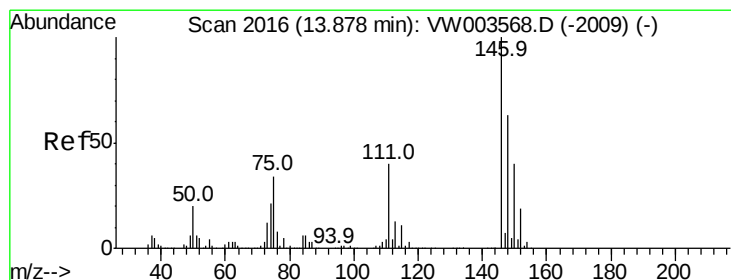
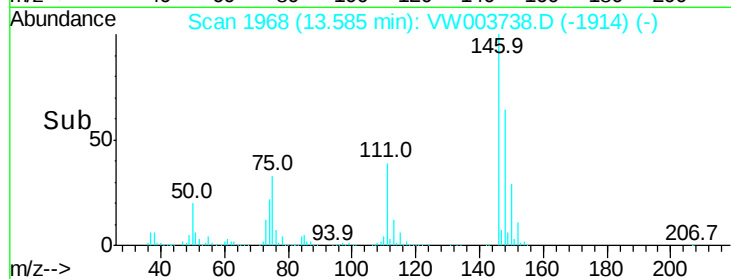
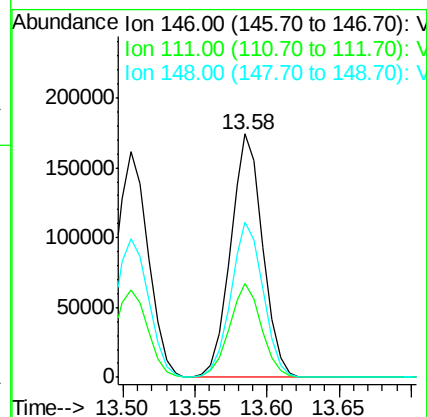
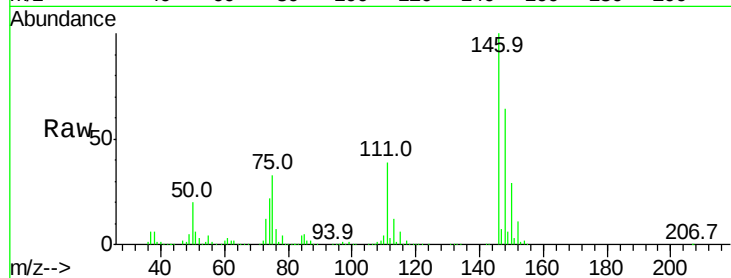




#64
1,4-Dichlorobenzene
Concen: 26.314 ug/L
RT: 13.58 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VW003738.D
Acq: 06 Jul 2018 10:47

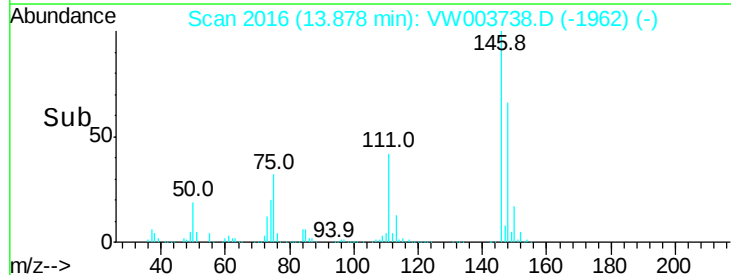
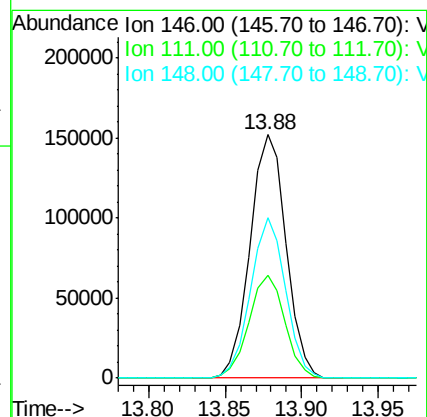
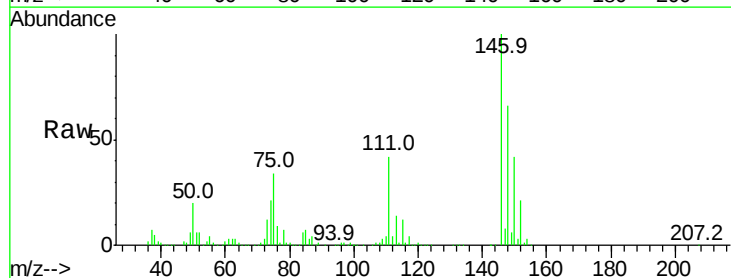
Instrument :
MSVOA_W
ClientSampleId :
VSTD02583

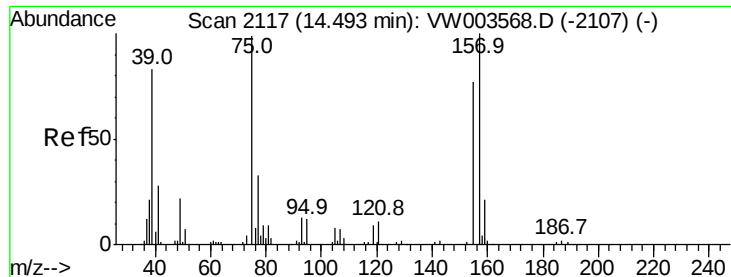
Tgt Ion:146 Resp: 270663
Ion Ratio Lower Upper
146 100
111 38.6 26.8 49.8
148 63.6 45.4 84.2



#65
1,2-Dichlorobenzene
Concen: 26.590 ug/L
RT: 13.88 min Scan# 2016
Delta R.T. -0.00 min
Lab File: VW003738.D
Acq: 06 Jul 2018 10:47

Tgt Ion:146 Resp: 249061
Ion Ratio Lower Upper
146 100
111 42.3 33.1 49.7
148 66.0 51.0 76.6

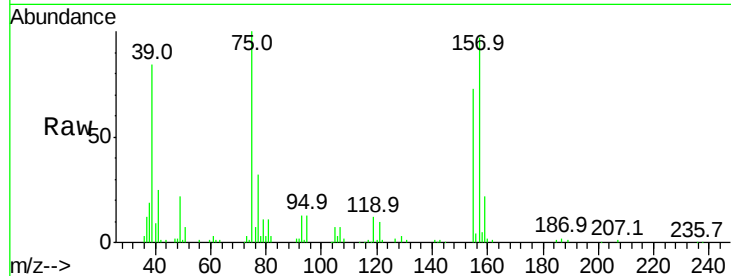




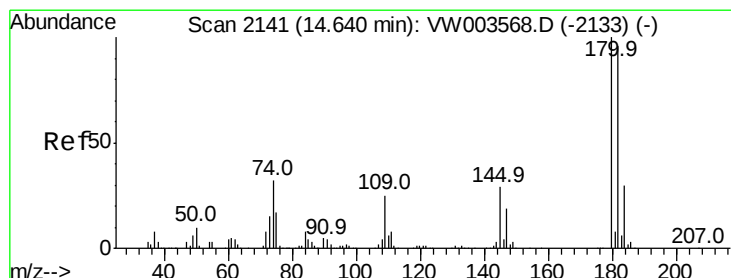
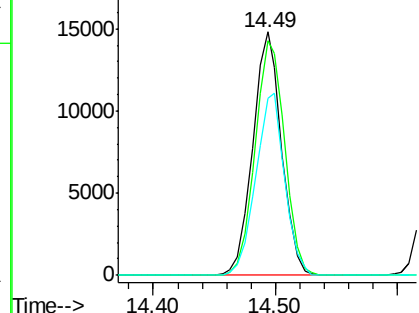
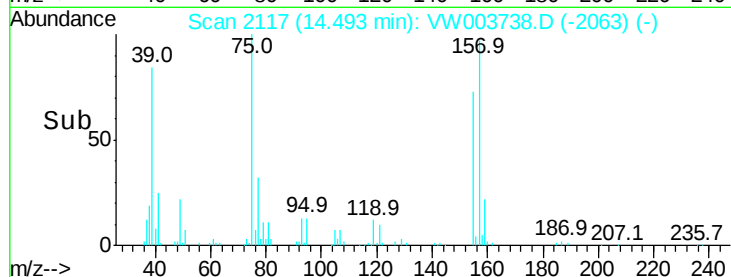
#66
 1,2-Dibromo-3-chloropropane
 Concen: 29.289 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW003738.D
 Acq: 06 Jul 2018 10:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02583

Tgt Ion: 75 Resp: 24076
 Ion Ratio Lower Upper
 75 100
 157 96.6 70.7 106.1
 155 72.7 59.0 88.6

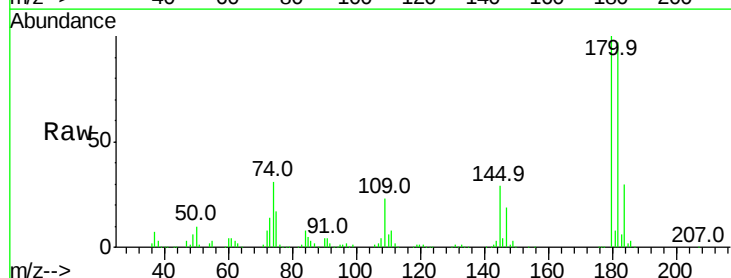


Abundance Ion 75.00 (74.70 to 75.70): VW
 Ion 157.00 (156.70 to 157.70): V
 Ion 155.00 (154.70 to 155.70): V

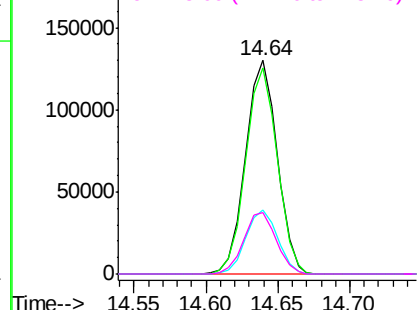
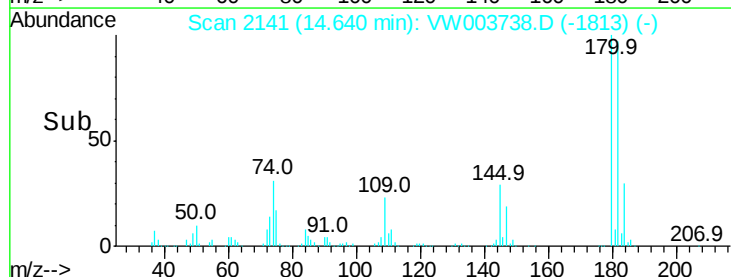


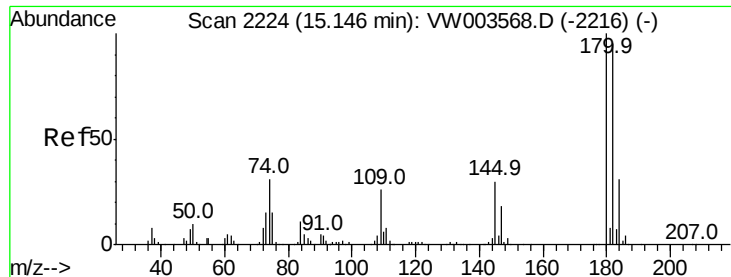
#67
 1,3,5-Trichlorobenzene
 Concen: 26.024 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VW003738.D
 Acq: 06 Jul 2018 10:47

Tgt Ion: 180 Resp: 198392
 Ion Ratio Lower Upper
 180 100
 182 95.9 75.9 113.9
 184 30.1 24.5 36.7
 145 29.4 23.4 35.2



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

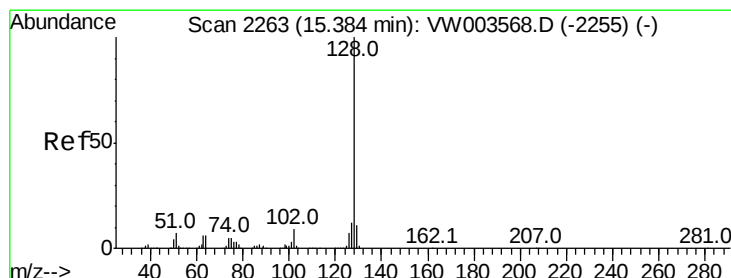
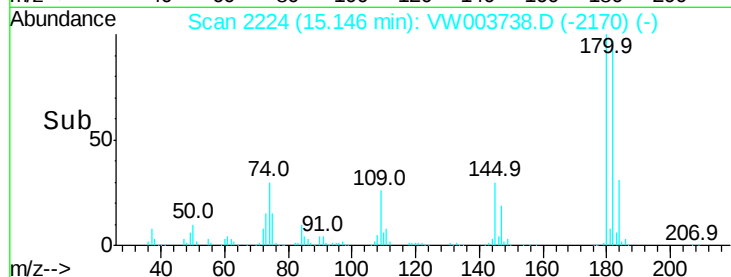
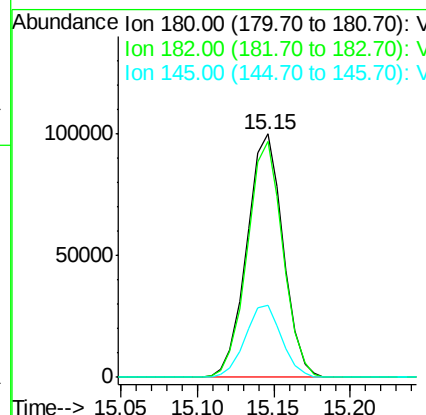
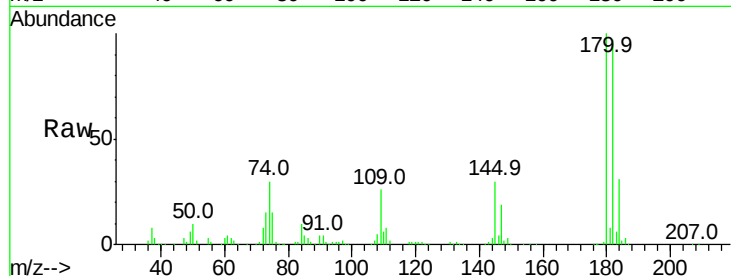




#68
 1,2,4-trichlorobenzene
 Concen: 26.485 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW003738.D
 Acq: 06 Jul 2018 10:47

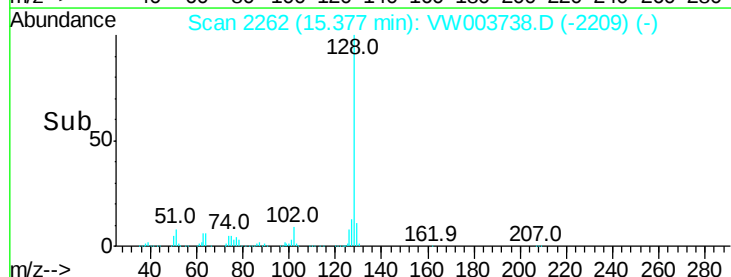
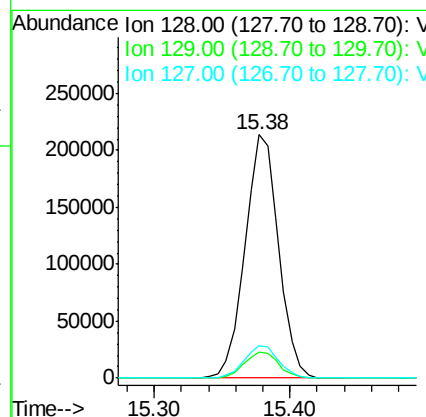
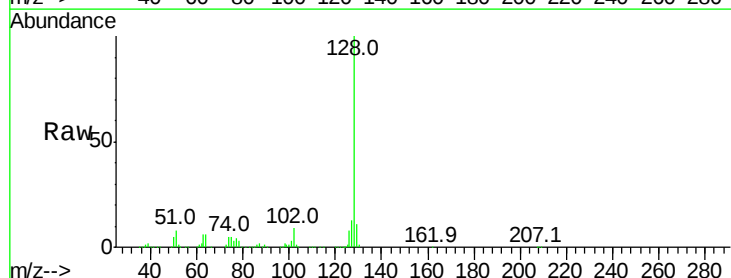
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02583

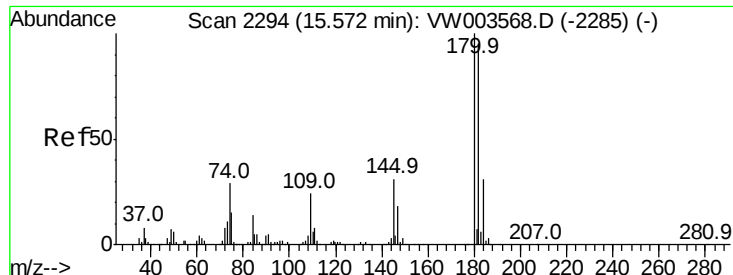
Tgt Ion:180 Resp: 164369
 Ion Ratio Lower Upper
 180 100
 182 95.2 74.8 112.2
 145 29.7 23.6 35.4



#69
 Naphthalene
 Concen: 31.710 ug/L
 RT: 15.38 min Scan# 2262
 Delta R.T. -0.01 min
 Lab File: VW003738.D
 Acq: 06 Jul 2018 10:47

Tgt Ion:128 Resp: 368224
 Ion Ratio Lower Upper
 128 100
 129 11.0 8.6 13.0
 127 13.6 10.9 16.3





#70

1,2,3-Trichlorobenzene

Concen: 28.357 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VW003738.D

Acq: 06 Jul 2018 10:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD02583

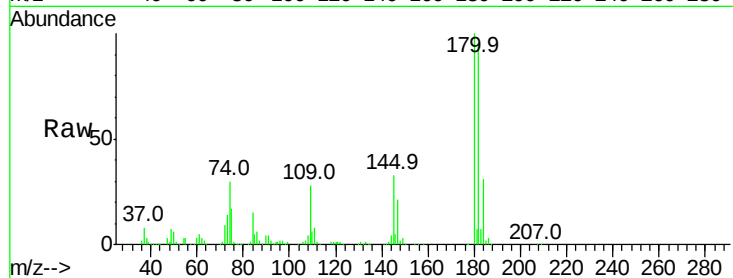
Tgt Ion:180 Resp: 161295

Ion Ratio Lower Upper

180 100

182 94.3 75.4 113.0

145 31.3 25.4 38.2



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

