

Data File : VW007139.D
Acq On : 30 Nov 2018 12:22
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: Nov 30 13:02:42 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 30 11:08:28 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	154668	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	145177	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	72465	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	30185	25.07	ug/L	0.00
7) Chloroethane-d5	2.89	69	22371	23.79	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	80078	23.90	ug/L	0.01
20) 2-Butanone-d5	7.09	46	25467	50.39	ug/L	0.00
24) Chloroform-d	7.65	84	74604	26.22	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	42258	21.08	ug/L	0.00
29) Benzene-d6	8.28	84	164059	24.06	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	46048	22.37	ug/L	0.00
37) Toluene-d8	10.33	98	173667	24.25	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	23008	24.32	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	24702	61.45	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	45294	27.17	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	63778	24.39	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	70582	24.928	ug/L	99
3) Chloromethane	2.22	50	48296	26.637	ug/L	97
5) Vinyl chloride	2.37	62	44834	25.634	ug/L	99
6) Bromomethane	2.78	94	24734	27.335	ug/L	99
8) Chloroethane	2.93	64	23280	25.771	ug/L	94
9) Trichlorofluoromethane	3.27	101	81855	25.378	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	47908	24.305	ug/L	99
12) 1,1-Dichloroethene	4.05	96	42760	25.555	ug/L	87
13) Acetone	4.13	43	15181	39.267	ug/L	99
14) Carbon disulfide	4.39	76	148926	25.241	ug/L	96
15) Methyl Acetate	4.68	43	24488	28.011	ug/L	100
16) Methylene chloride	4.93	84	53616	22.970	ug/L	97
17) Methyl tert-butyl Ether	5.43	73	111639	24.766	ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	46816	24.779	ug/L	96
19) 1,1-Dichloroethane	6.23	63	77702	25.142	ug/L	98
21) 2-Butanone	7.17	43	28008	46.793	ug/L	97
22) cis-1,2-Dichloroethene	7.18	96	49873	25.229	ug/L	100
23) Bromochloromethane	7.52	128	21353	24.991	ug/L	89
25) Chloroform	7.68	83	81982	21.178	ug/L	98
27) 1,2-Dichloroethane	8.40	62	55945	24.758	ug/L	97
30) Cyclohexane	7.96	56	81532	25.489	ug/L	98
31) 1,1,1-Trichloroethane	7.88	97	78437	25.533	ug/L	99
32) Carbon tetrachloride	8.07	117	72069	25.970	ug/L	98
34) Benzene	8.33	78	194013	27.157	ug/L	100
35) Trichloroethene	9.10	95	51998	26.047	ug/L	98
36) Methylcyclohexane	9.34	83	97210	27.383	ug/L	100
40) 1,2-Dichloropropane	9.37	63	45603	25.769	ug/L	100
41) Bromodichloromethane	9.65	83	61041	25.800	ug/L	98
42) cis-1,3-Dichloropropene	10.08	75	73710	26.088	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	73825	64.511	ug/L	99

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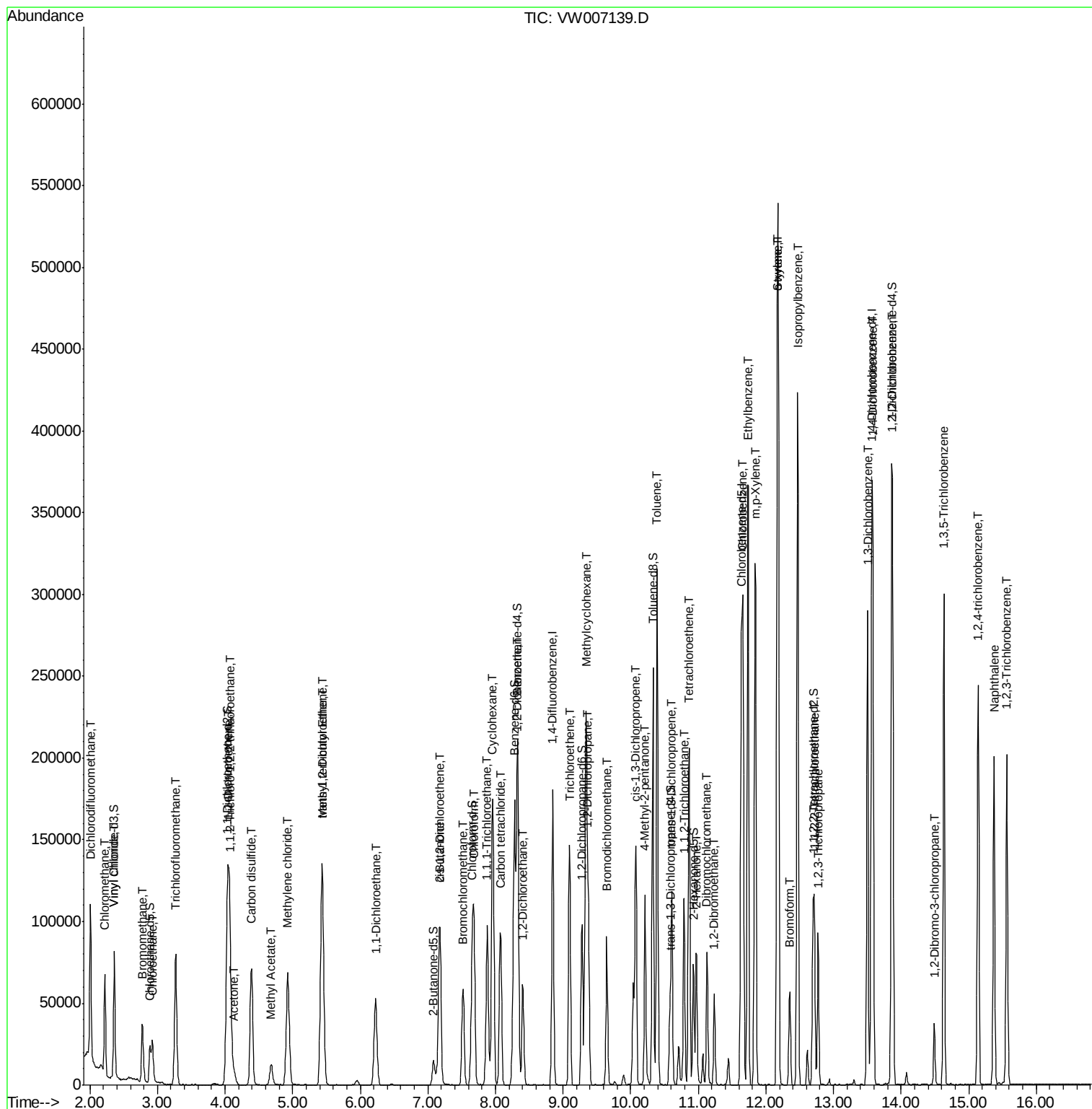
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	234645	27.867	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	64977	26.865	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	36719	27.289	ug/L	97
47) Tetrachloroethene	10.87	164	46722	28.410	ug/L	95
49) 2-Hexanone	10.97	43	51232	59.404	ug/L	98
50) Dibromochloromethane	11.13	129	44666	27.096	ug/L	100
51) 1,2-Dibromoethane	11.24	107	37531	27.852	ug/L #	97
52) Chlorobenzene	11.66	112	150969	27.198	ug/L	98
53) Ethylbenzene	11.74	91	269126	27.200	ug/L	100
54) m,p-Xylene	11.85	106	103564	26.644	ug/L	99
55) o-xylene	12.17	106	98432	27.188	ug/L	97
56) Styrene	12.18	104	166665	27.529	ug/L	96
57) Isopropylbenzene	12.47	105	271239	27.393	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	49372	30.969	ug/L	93
59) 1,2,3-Trichloropropane	12.77	75	38781	30.336	ug/L	100
62) Bromoform	12.35	173	26472	29.217	ug/L	97
63) 1,3-Dichlorobenzene	13.51	146	120088	27.075	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	120654	27.235	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	111707	27.931	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	10043	34.007	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	90362	30.593	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	76847	31.528	ug/L	98
69) Naphthalene	15.38	128	175619	34.797	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	68621	32.031	ug/L	99

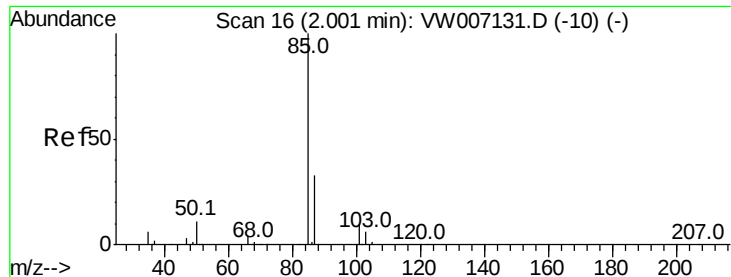
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 24.928 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.01 min

Lab File: VW007139.D

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Instrument :

MSVOA_W

ClientSampleId :

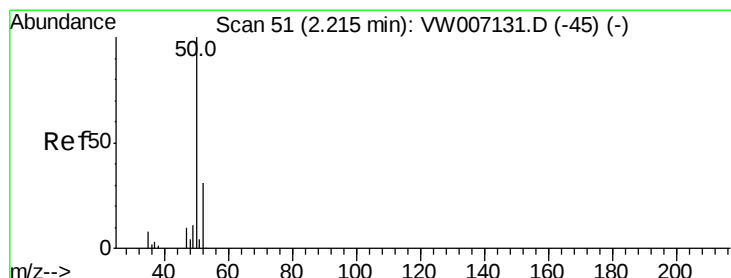
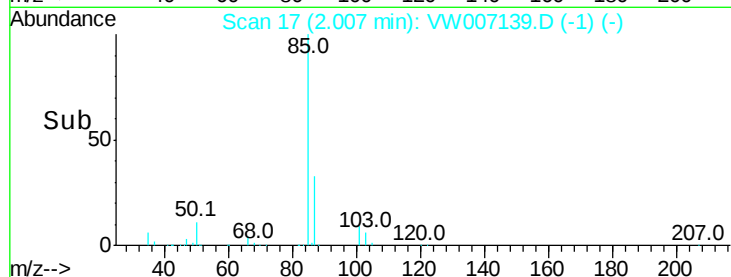
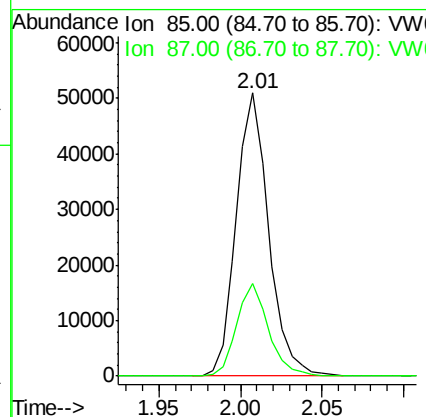
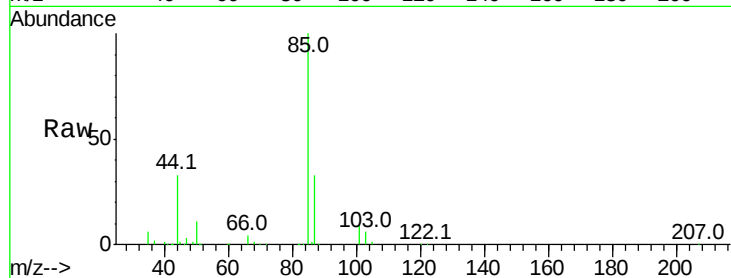
VSTD02583

Tgt Ion: 85 Resp: 70582

Ion Ratio Lower Upper

85 100

87 32.2 22.3 41.3



#3

Chloromethane

Concen: 26.637 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW007139.D

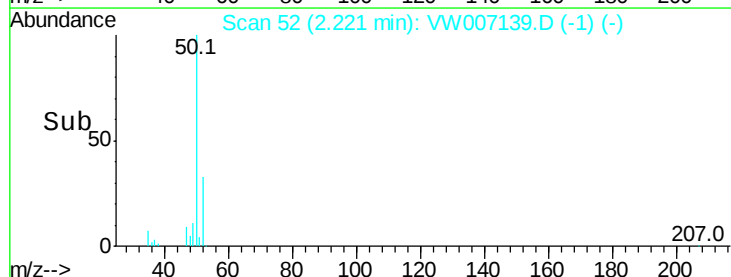
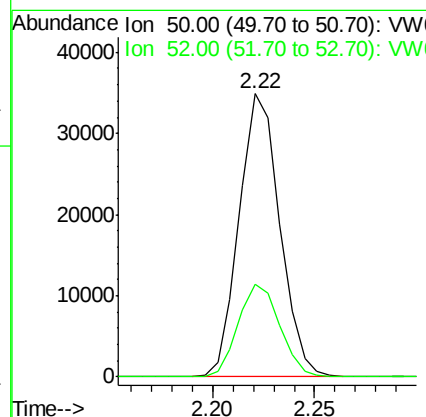
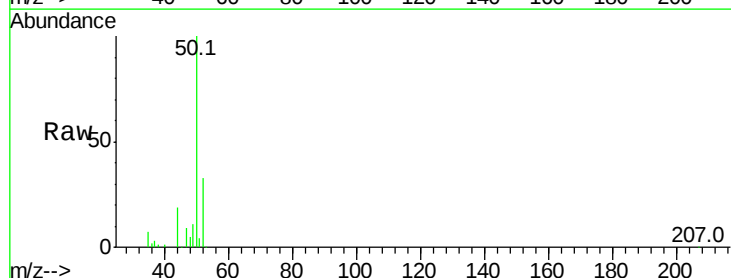
Acq: 30 Nov 2018 12:22

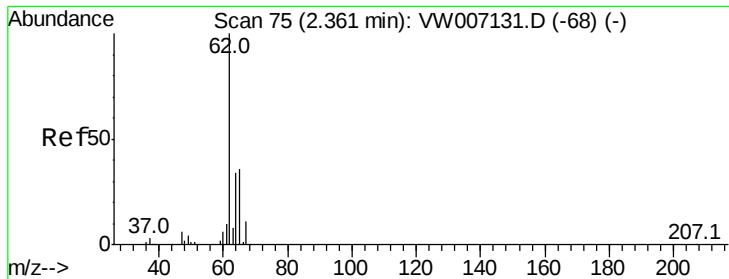
Tgt Ion: 50 Resp: 48296

Ion Ratio Lower Upper

50 100

52 32.8 21.9 40.7





#5

Vinyl chloride

Concen: 25.634 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.01 min

Lab File: VW007139.D

Acq: 30 Nov 2018 12:22

Instrument :

MSVOA_W

ClientSampleId :

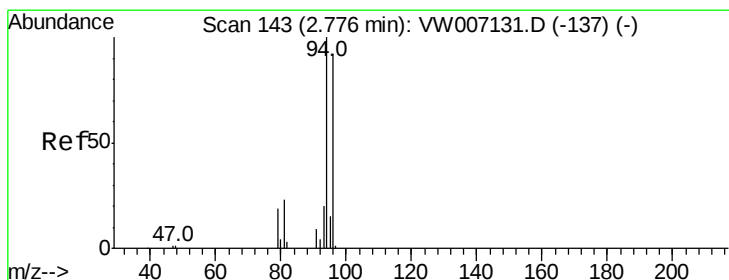
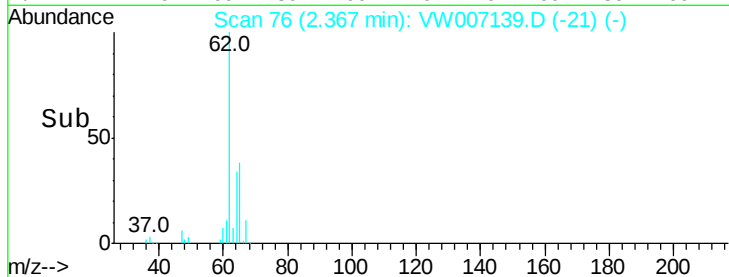
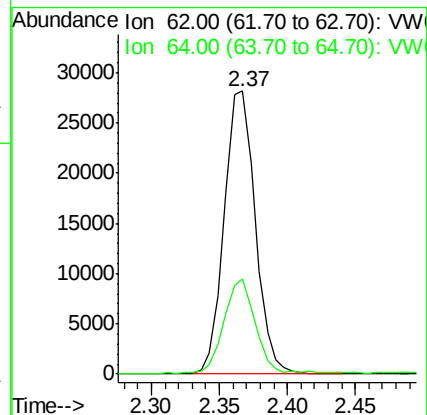
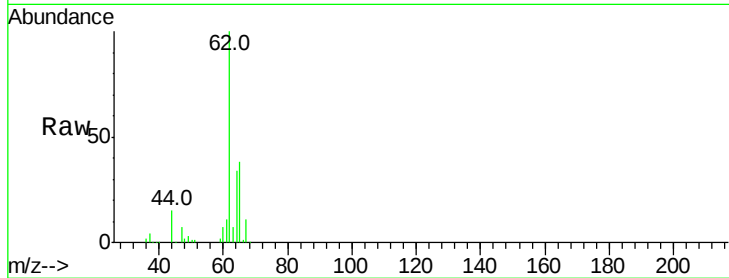
VSTD02583

Tgt Ion: 62 Resp: 44834

Ion Ratio Lower Upper

62 100

64 33.6 23.9 44.5



#6

Bromomethane

Concen: 27.335 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW007139.D

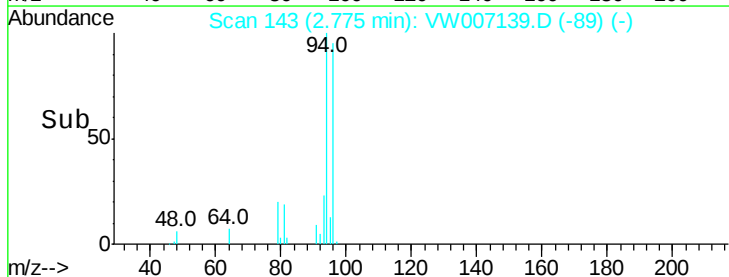
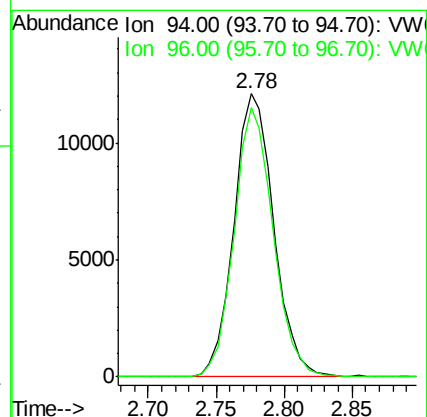
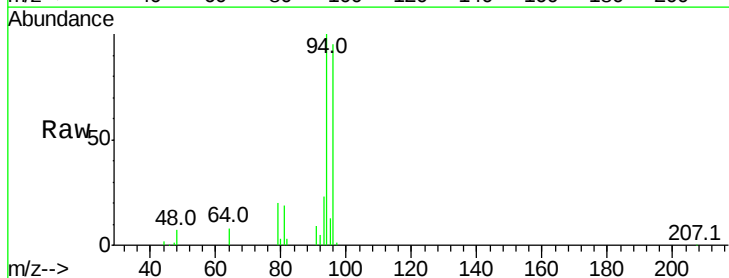
Acq: 30 Nov 2018 12:22

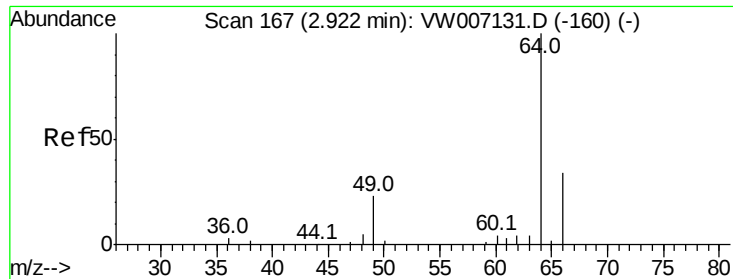
Tgt Ion: 94 Resp: 24734

Ion Ratio Lower Upper

94 100

96 93.0 9.4 178.8

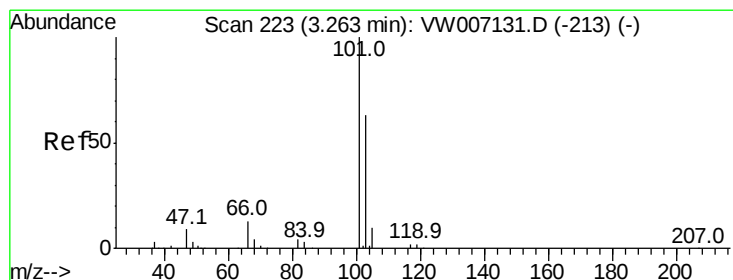
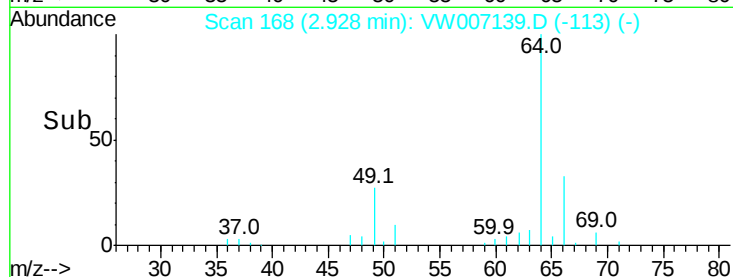
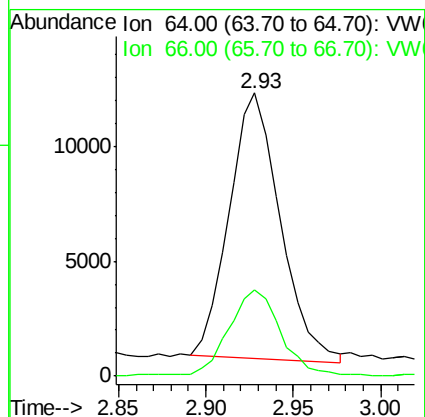
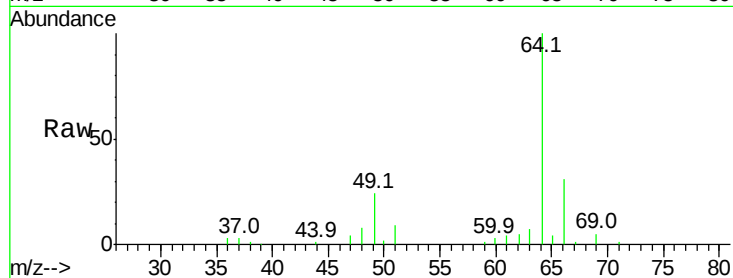




#8
Chloroethane
Concen: 25.771 ug/L
RT: 2.93 min Scan# 168
Delta R.T. 0.01 min
Lab File: VW007139.D
Acq: 30 Nov 2018 12:22

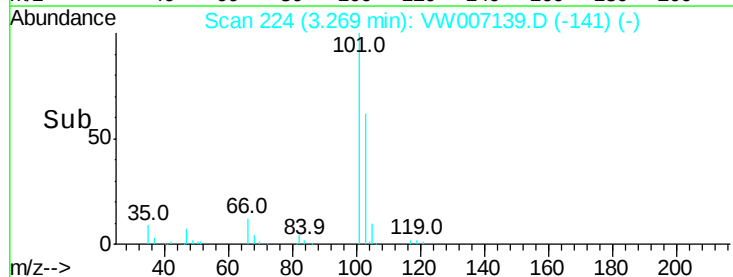
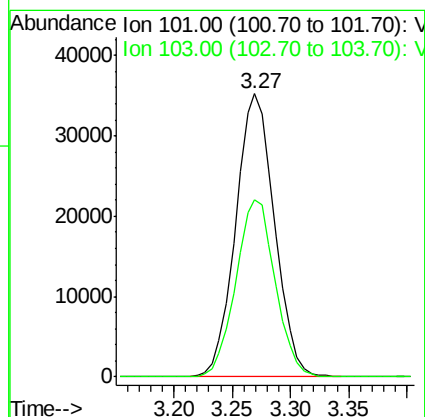
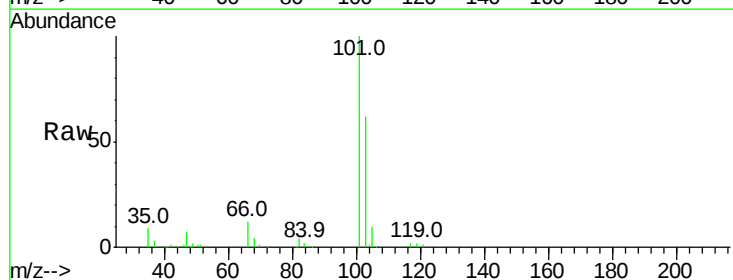
Instrument :
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ClientSampleId :
VSTD02583

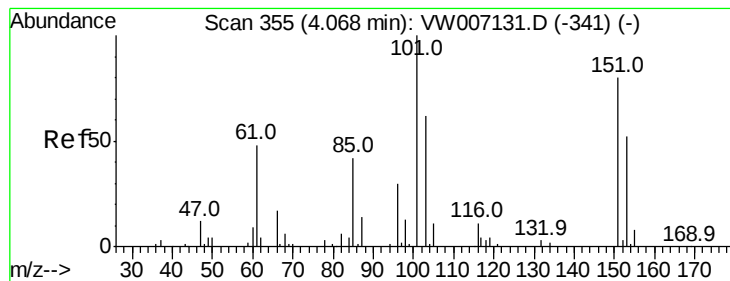
Tgt Ion: 64 Resp: 23280
Ion Ratio Lower Upper
64 100
66 30.6 23.9 44.3



#9
Trichlorofluoromethane
Concen: 25.378 ug/L
RT: 3.27 min Scan# 224
Delta R.T. 0.01 min
Lab File: VW007139.D
Acq: 30 Nov 2018 12:22

Tgt Ion: 101 Resp: 81855
Ion Ratio Lower Upper
101 100
103 63.4 44.4 82.4





#11

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

Concen: 24.305 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.01 min

Lab File: VW007139.D

Acq: 30 Nov 2018 12:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD02583

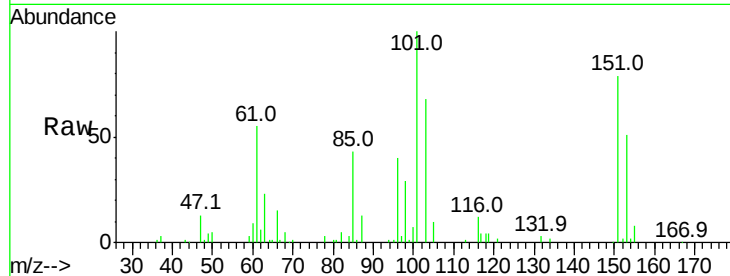
Tgt Ion: 101 Resp: 47908

Ion Ratio Lower Upper

101 100

85 43.5 34.2 51.2

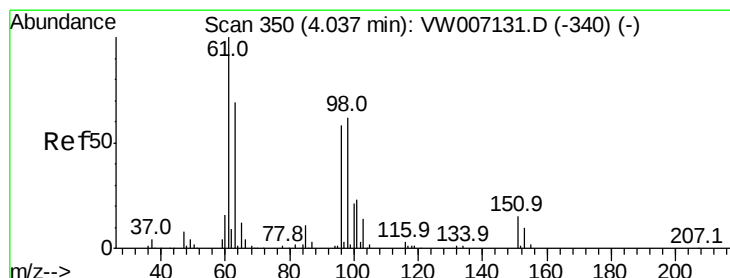
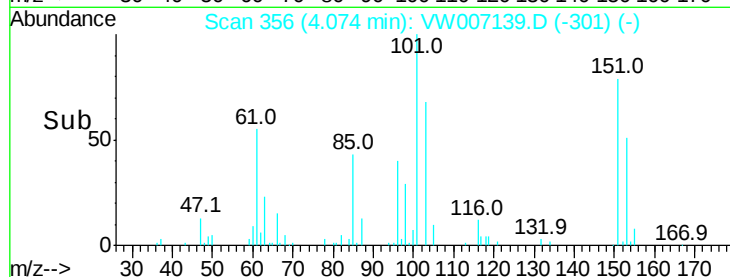
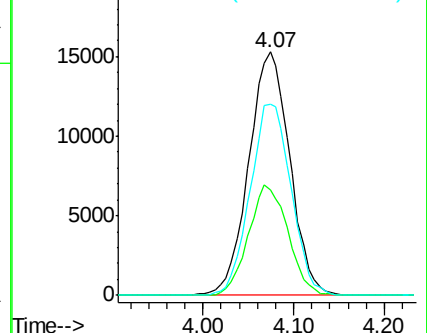
151 78.5 63.8 95.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 25.555 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.01 min

Lab File: VW007139.D

Acq: 30 Nov 2018 12:22

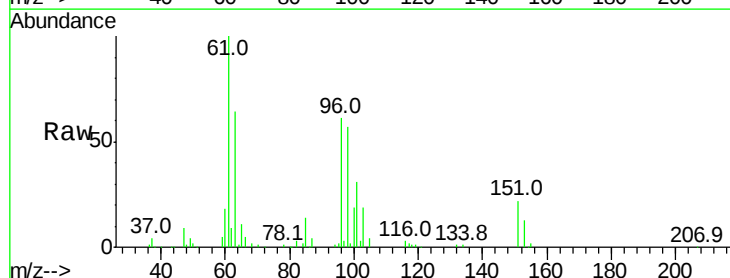
Tgt Ion: 96 Resp: 42760

Ion Ratio Lower Upper

96 100

61 164.2 121.3 225.3

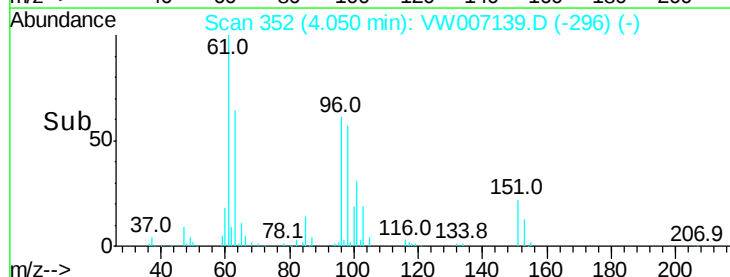
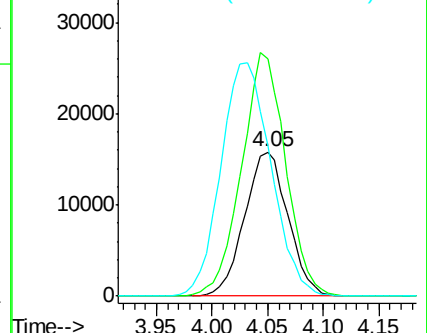
63 104.4 89.8 166.8

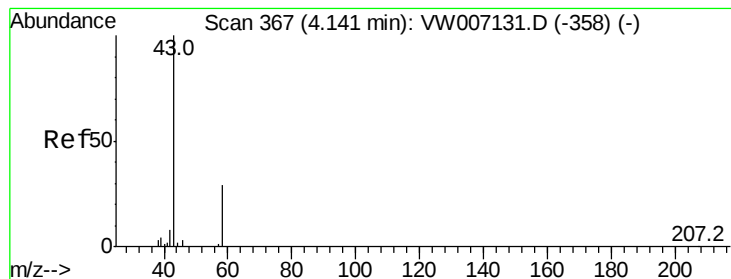


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 39.267 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

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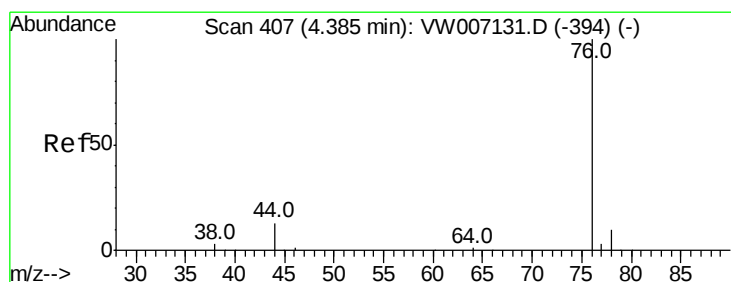
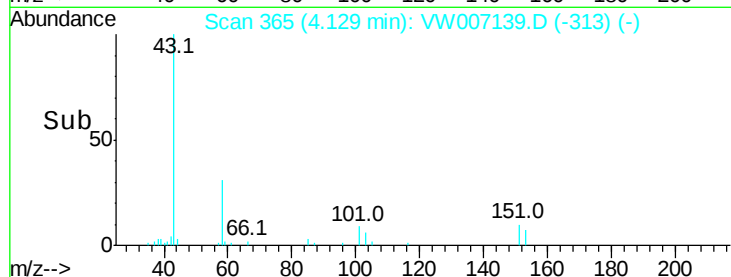
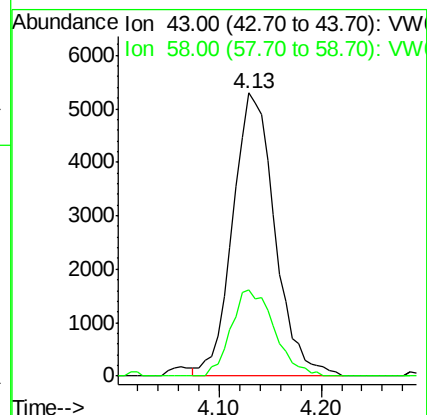
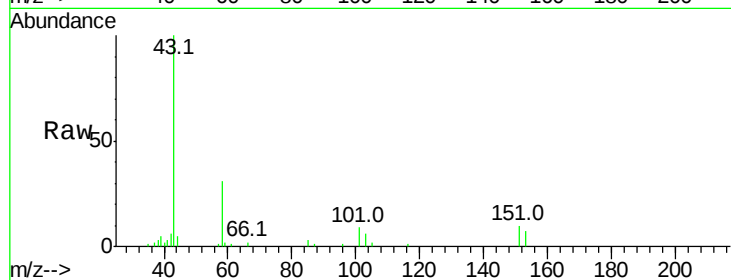
VSTD02583

Tgt Ion: 43 Resp: 15181

Ion Ratio Lower Upper

43 100

58 31.2 0.0 61.4



#14

Carbon disulfide

Concen: 25.241 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW007139.D

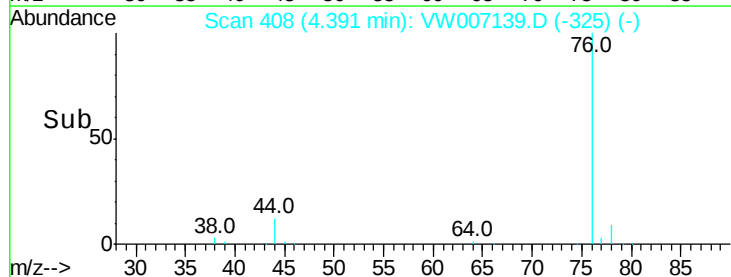
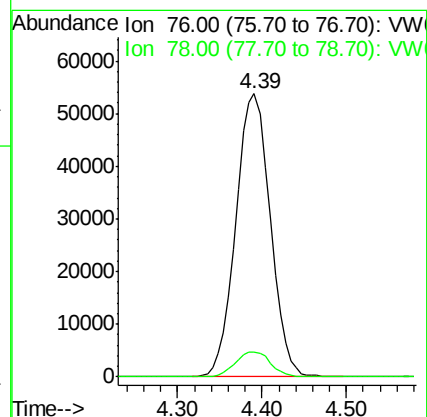
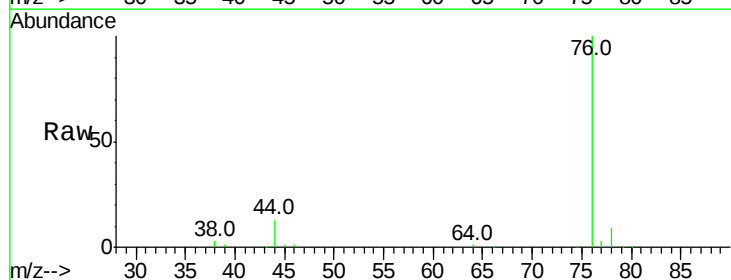
Acq: 30 Nov 2018 12:22

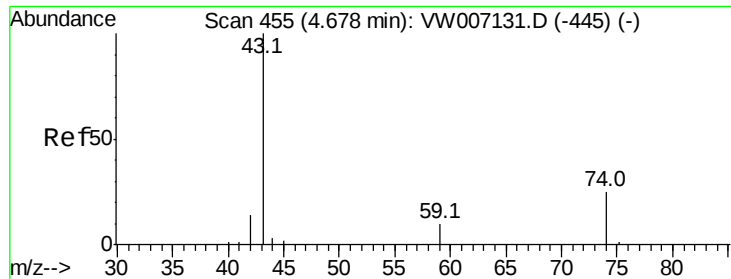
Tgt Ion: 76 Resp: 148926

Ion Ratio Lower Upper

76 100

78 8.6 7.9 11.9

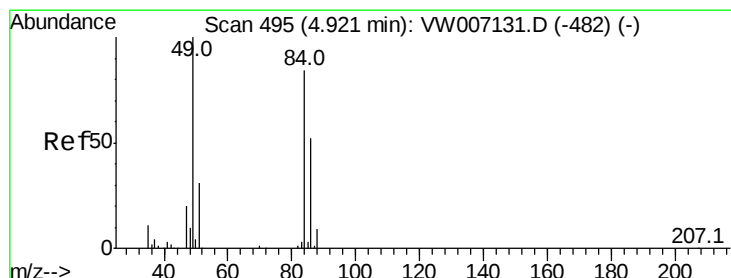
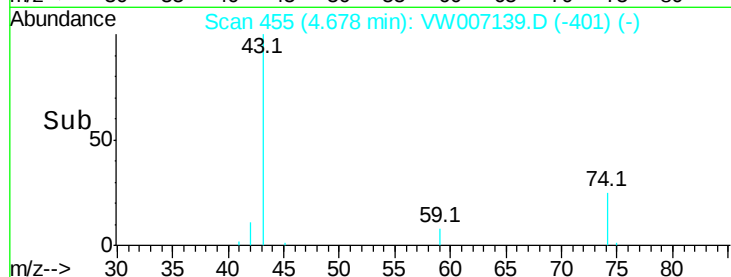
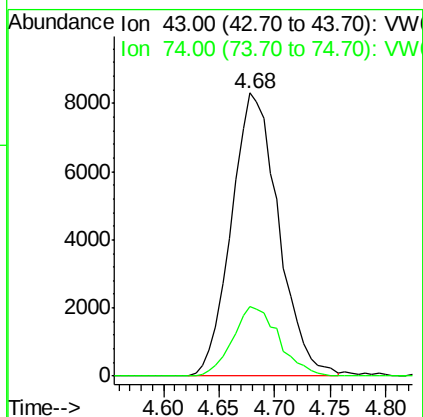
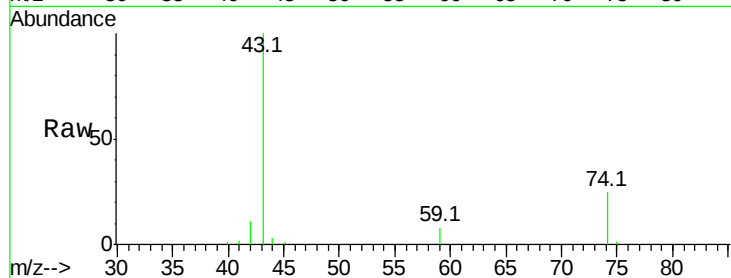




#15
Methyl Acetate
Concen: 28.011 ug/L
RT: 4.68 min Scan# 455
Delta R.T. -0.00 min
Lab File: VW007139.D
Acq: 30 Nov 2018 12:22

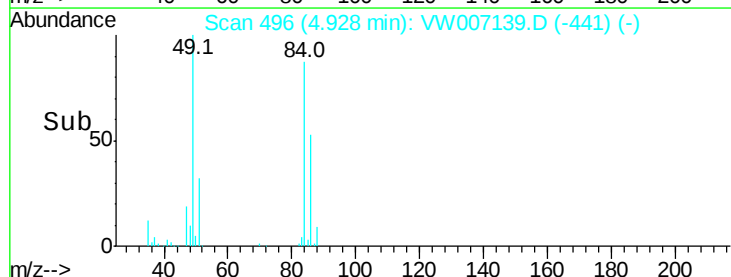
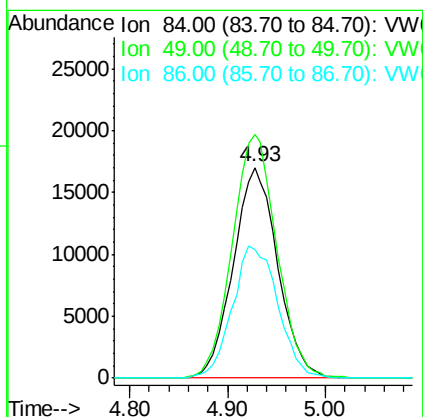
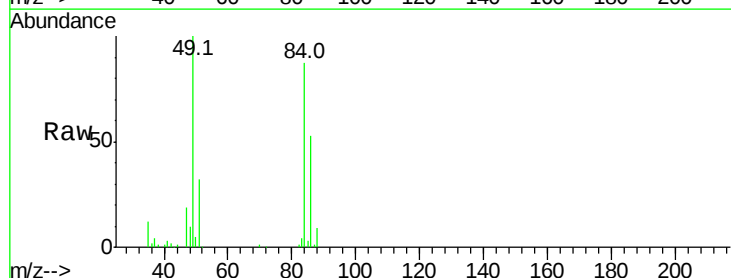
Instrument :
MSVOA_W
ClientSampleId :
VSTD02583

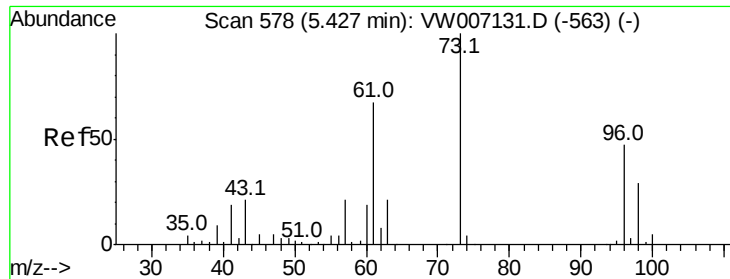
Tgt Ion: 43 Resp: 24488
Ion Ratio Lower Upper
43 100
74 24.1 19.4 29.2



#16
Methylene chloride
Concen: 22.970 ug/L
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW007139.D
Acq: 30 Nov 2018 12:22

Tgt Ion: 84 Resp: 53616
Ion Ratio Lower Upper
84 100
49 115.6 83.7 155.5
86 61.2 43.7 81.1

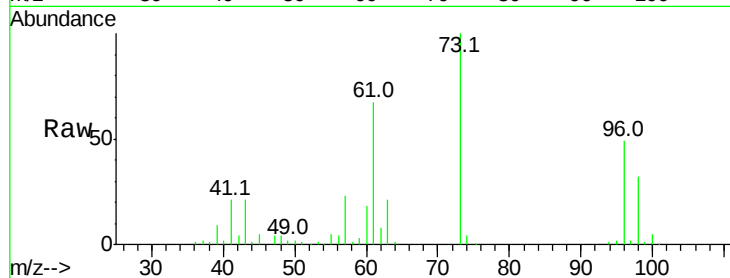




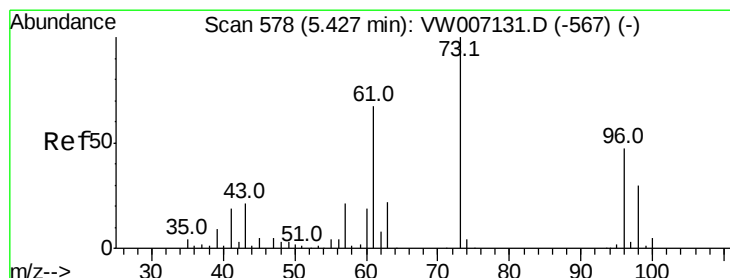
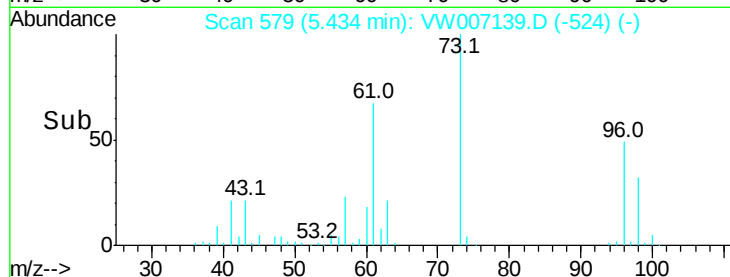
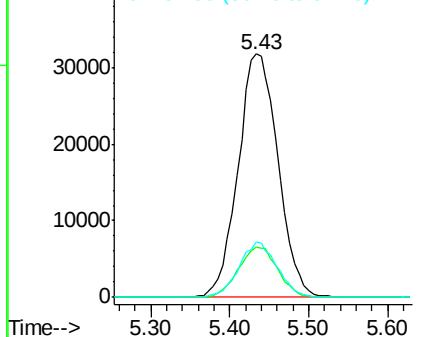
#17
Methyl tert-butyl Ether
Concen: 24.766 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW007139.D
Acq: 30 Nov 2018 12:22

Instrument :
MSVOA_W
ClientSampleId :
VSTD02583

Tgt Ion: 73 Resp: 111639
Ion Ratio Lower Upper
73 100
43 20.4 16.7 25.1
57 21.7 16.9 25.3

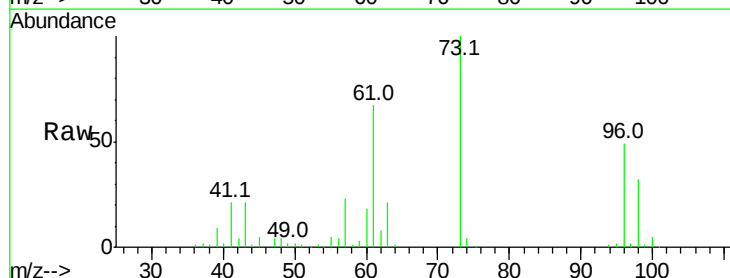


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

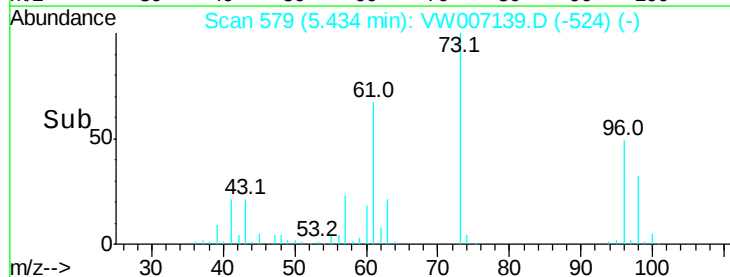
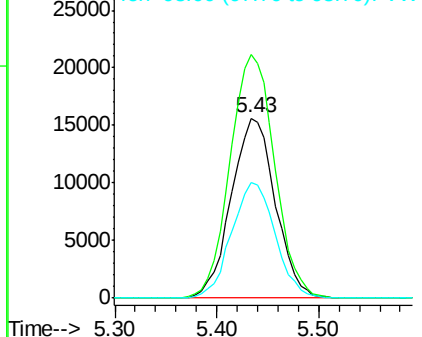


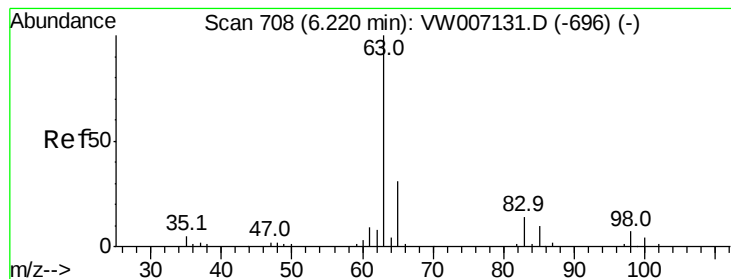
#18
trans-1,2-Dichloroethene
Concen: 24.779 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW007139.D
Acq: 30 Nov 2018 12:22

Tgt Ion: 96 Resp: 46816
Ion Ratio Lower Upper
96 100
61 135.5 99.6 185.0
98 64.2 43.8 81.4



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW





#19

1,1-Dichloroethane

Concen: 25.142 ug/L

RT: 6.23 min Scan# 709

Delta R.T. 0.01 min

Lab File: VW007139.D

Acq: 30 Nov 2018 12:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD02583

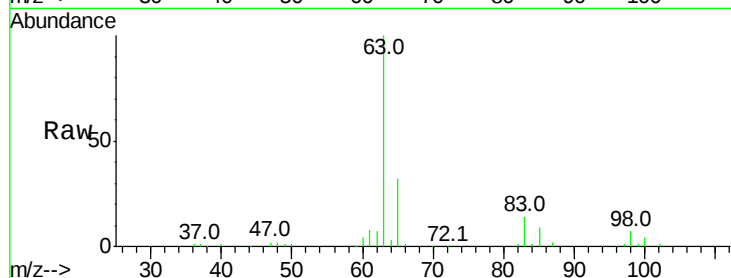
Tgt Ion: 63 Resp: 77702

Ion Ratio Lower Upper

63 100

65 32.0 21.6 40.0

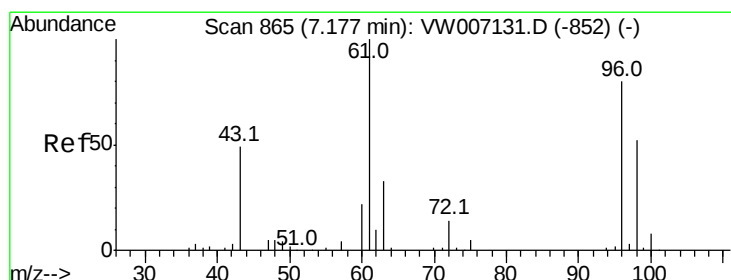
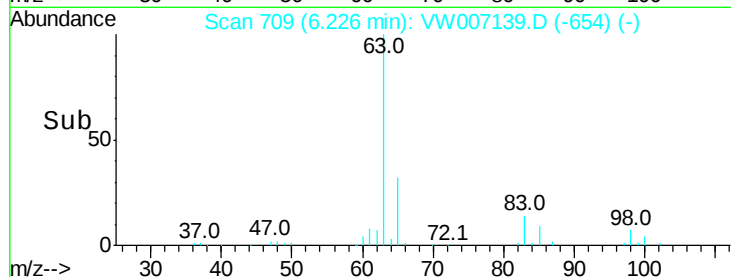
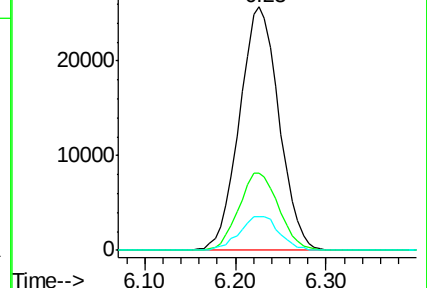
83 13.8 9.7 18.1



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 65.00 (64.70 to 65.70): VW

Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 46.793 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW007139.D

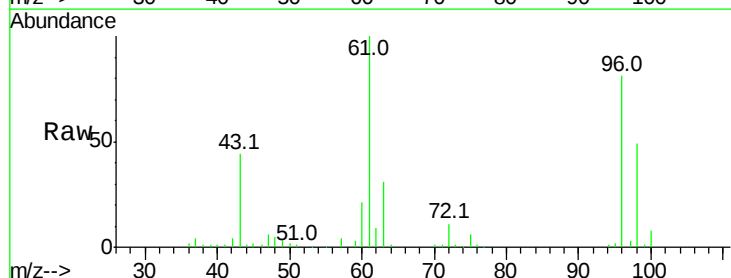
Acq: 30 Nov 2018 12:22

Tgt Ion: 43 Resp: 28008

Ion Ratio Lower Upper

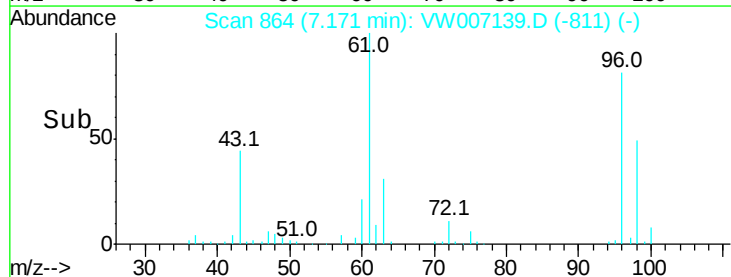
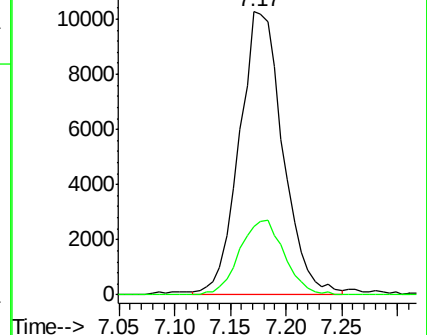
43 100

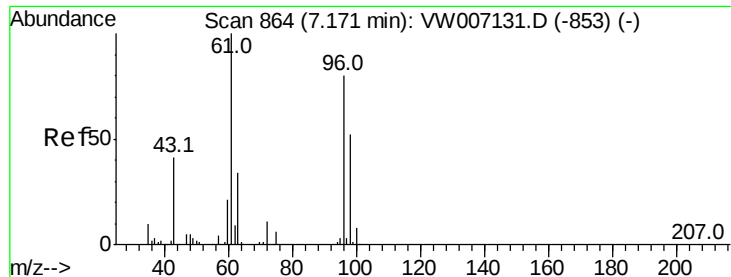
72 27.0 14.3 42.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



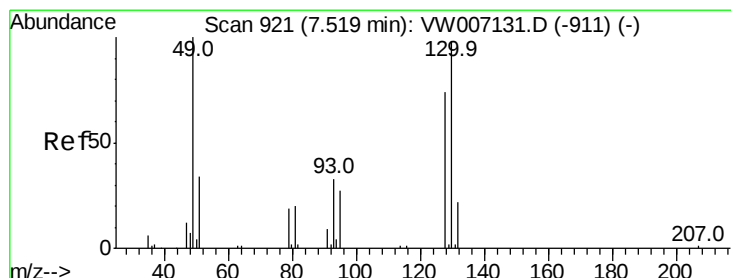
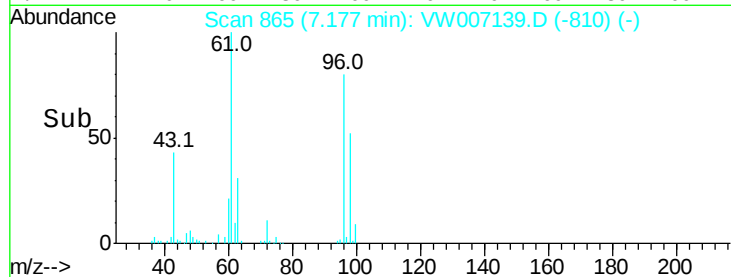
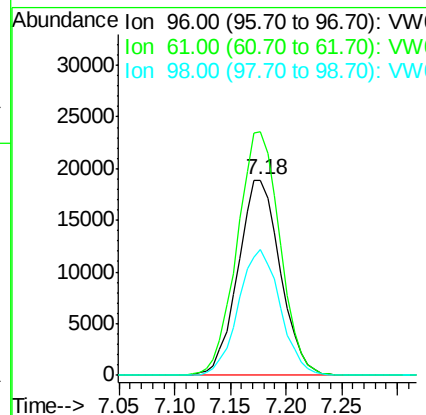
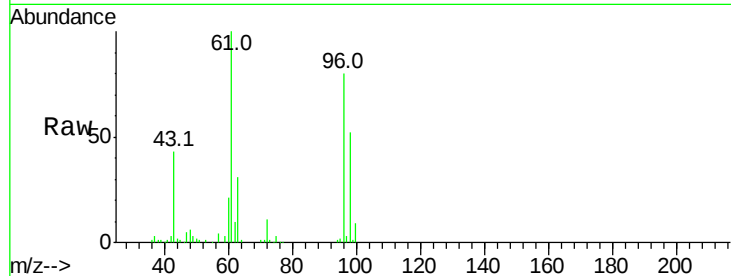


#22

cis-1,2-Dichloroethene
Concen: 25.229 ug/L
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW007139.D
Acq: 30 Nov 2018 12:22

Instrument :
MSVOA_W
ClientSampleId :
VSTD02583

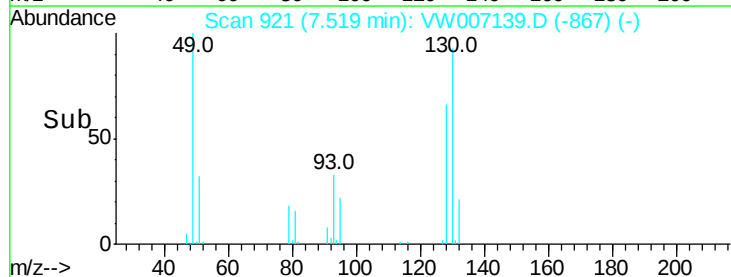
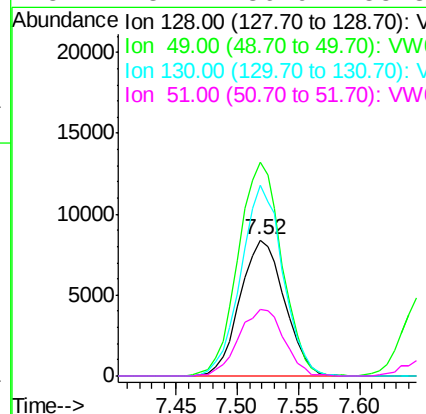
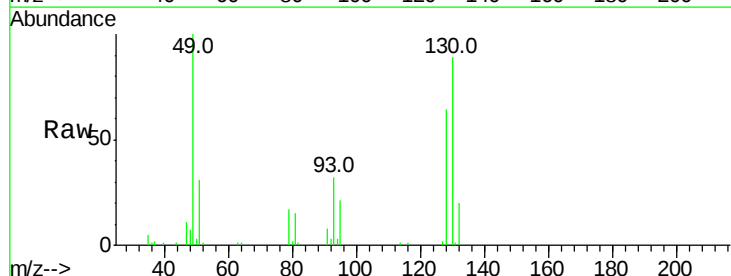
Tgt Ion: 96 Resp: 49873
Ion Ratio Lower Upper
96 100
61 124.7 87.4 162.2
98 64.6 45.3 84.1

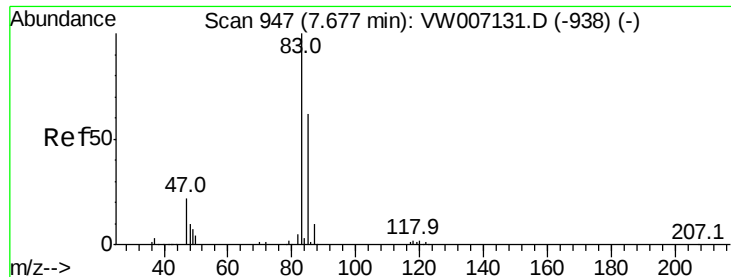


#23

Bromochloromethane
Concen: 24.991 ug/L
RT: 7.52 min Scan# 921
Delta R.T. -0.00 min
Lab File: VW007139.D
Acq: 30 Nov 2018 12:22

Tgt Ion: 128 Resp: 21353
Ion Ratio Lower Upper
128 100
49 157.0 94.9 176.3
130 140.3 93.2 173.2
51 48.7 36.9 55.3





#25

Chloroform

Concen: 21.178 ug/L

RT: 7.68 min Scan# 948

Delta R.T. 0.01 min

Lab File: VW007139.D

Acq: 30 Nov 2018 12:22

Instrument :

MSVOA_W

ClientSampleId :

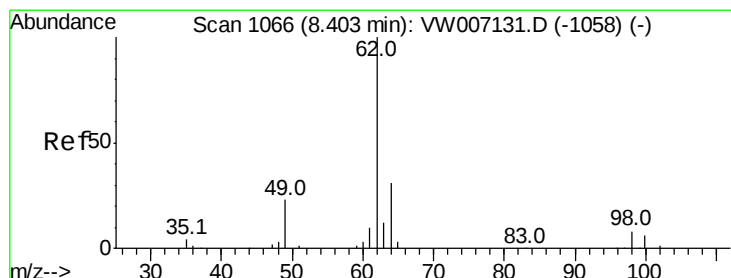
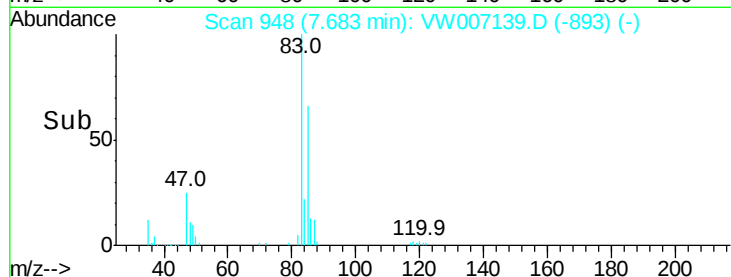
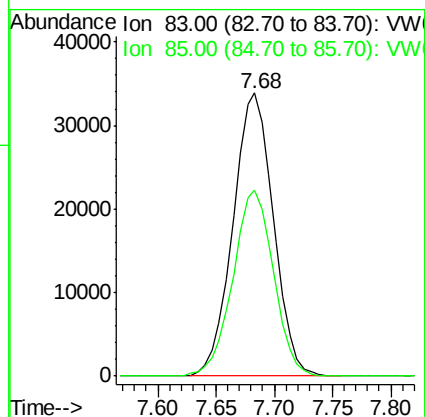
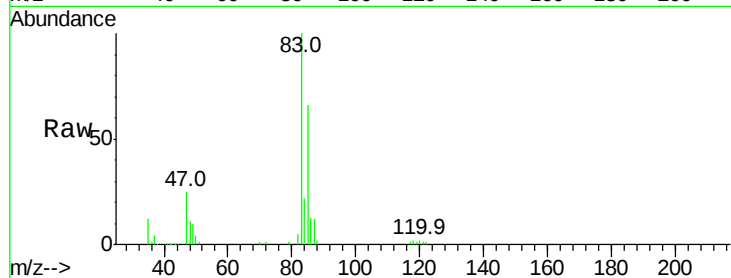
VSTD02583

Tgt Ion: 83 Resp: 81982

Ion Ratio Lower Upper

83 100

85 65.9 44.9 83.5



#27

1,2-Dichloroethane

Concen: 24.758 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW007139.D

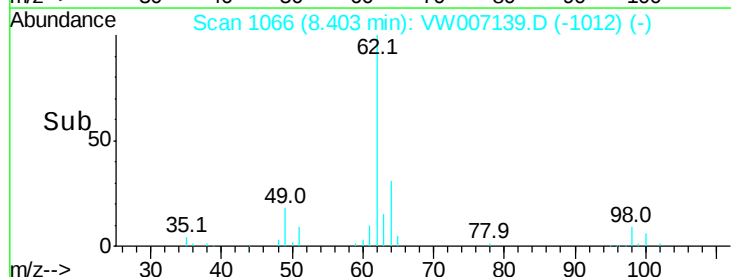
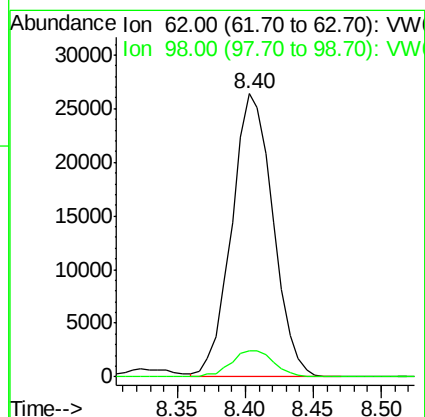
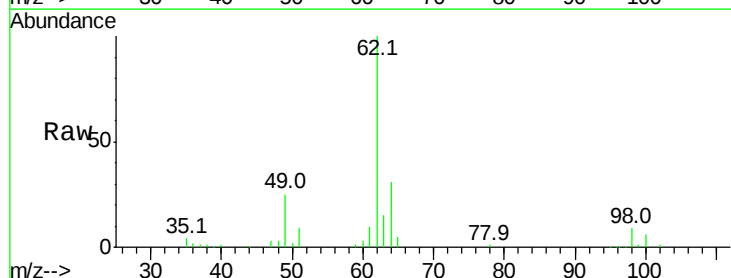
Acq: 30 Nov 2018 12:22

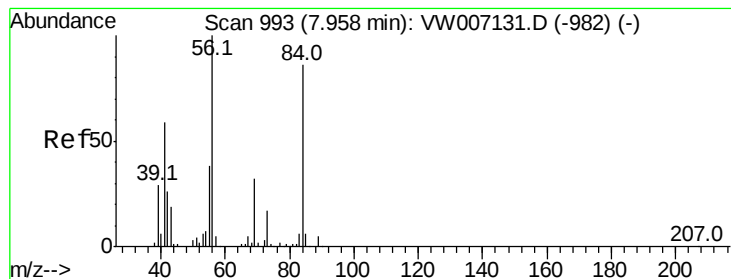
Tgt Ion: 62 Resp: 55945

Ion Ratio Lower Upper

62 100

98 9.3 6.6 9.8





#30

Cyclohexane

Concen: 25.489 ug/L

RT: 7.96 min Scan# 994

Delta R.T. 0.01 min

Lab File: VW007139.D

Acq: 30 Nov 2018 12:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD02583

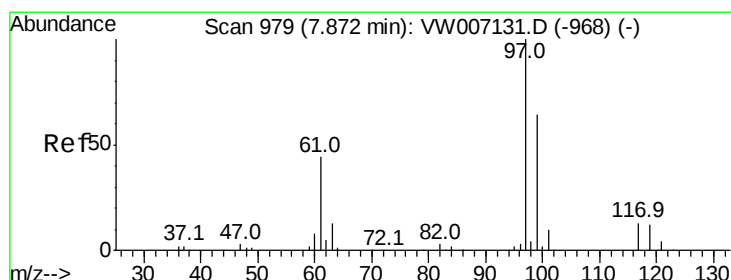
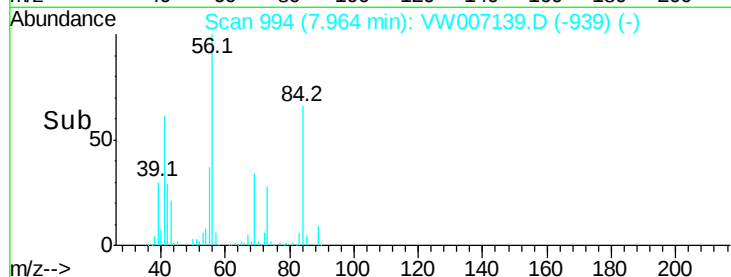
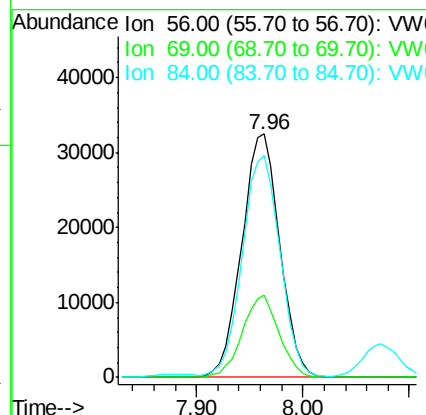
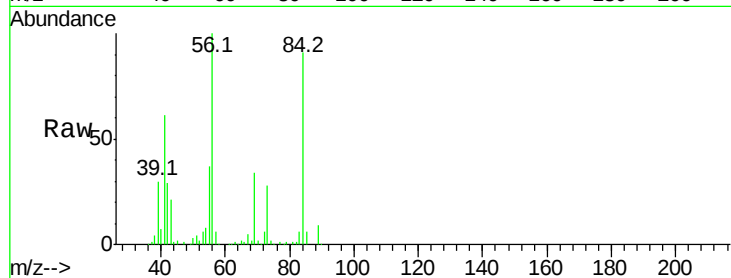
Tgt Ion: 56 Resp: 81532

Ion Ratio Lower Upper

56 100

69 32.6 25.6 38.4

84 91.2 71.4 107.2



#31

1,1,1-Trichloroethane

Concen: 25.533 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.01 min

Lab File: VW007139.D

Acq: 30 Nov 2018 12:22

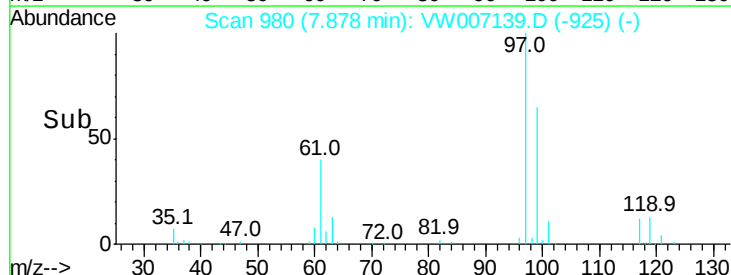
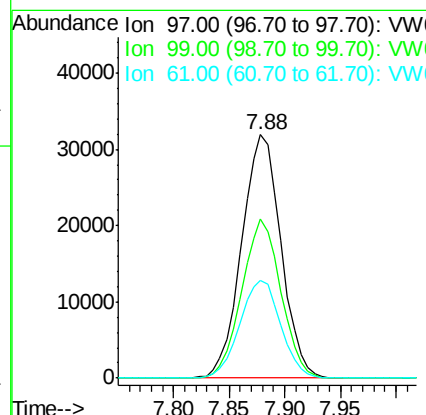
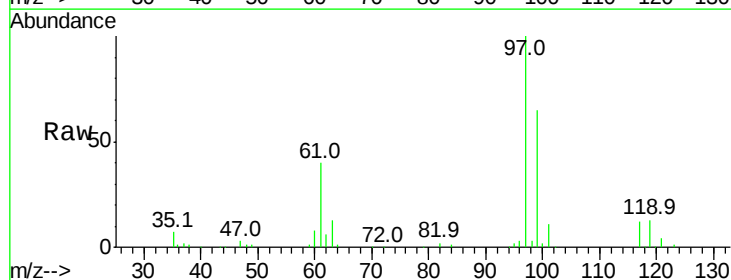
Tgt Ion: 97 Resp: 78437

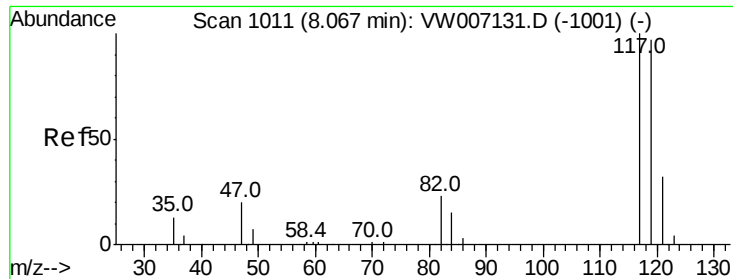
Ion Ratio Lower Upper

97 100

99 64.9 51.4 77.0

61 41.7 33.4 50.0





#32

Carbon tetrachloride

Concen: 25.970 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW007139.D

Acq: 30 Nov 2018 12:22

Instrument :

MSVOA_W

ClientSampleId :

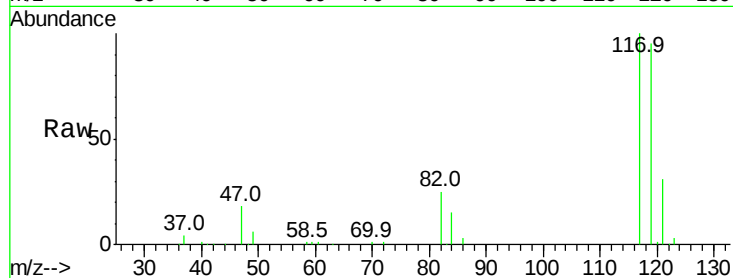
VSTD02583

Tgt Ion:117 Resp: 72069

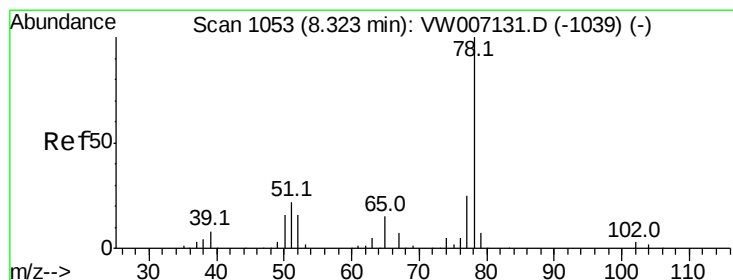
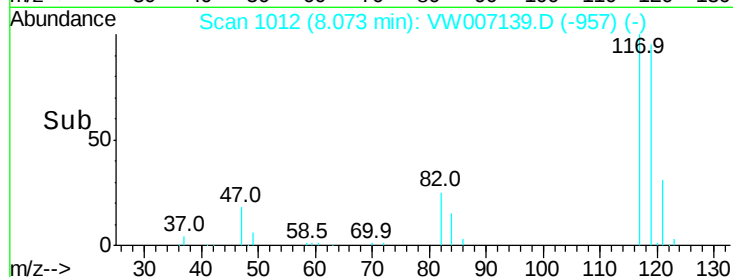
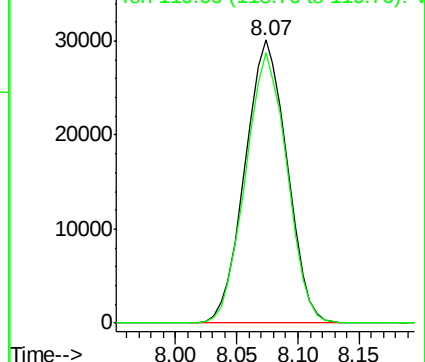
Ion Ratio Lower Upper

117 100

119 94.4 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 27.157 ug/L

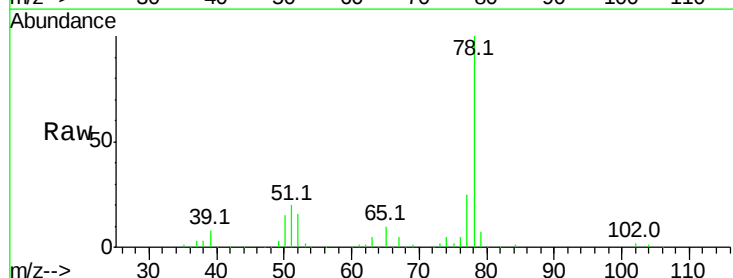
RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

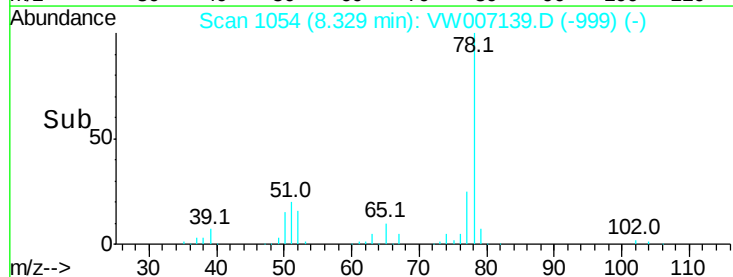
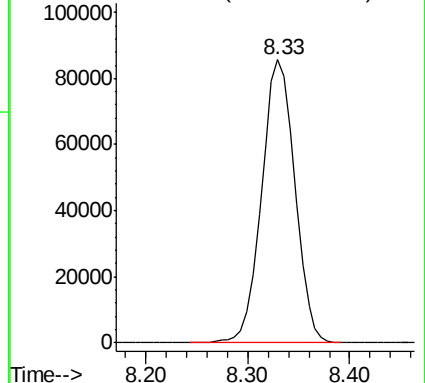
Lab File: VW007139.D

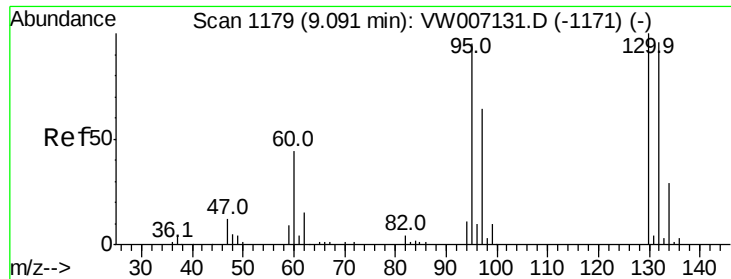
Acq: 30 Nov 2018 12:22

Tgt Ion: 78 Resp: 194013



Abundance Ion 78.00 (77.70 to 78.70): VW

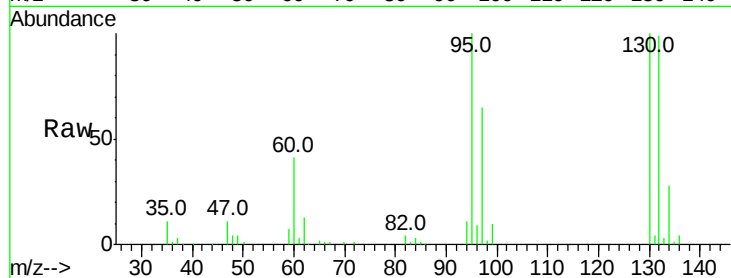




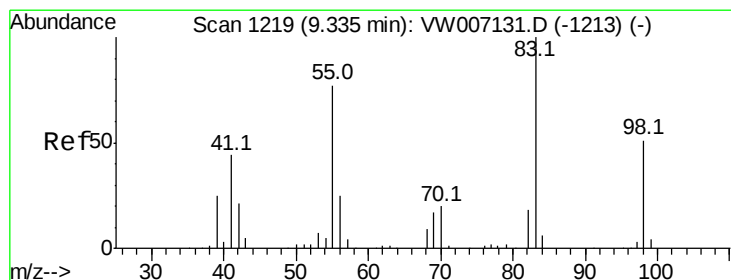
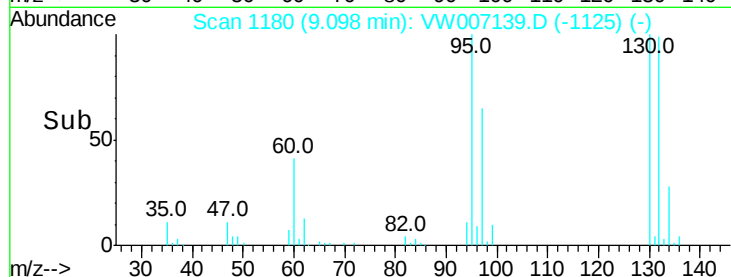
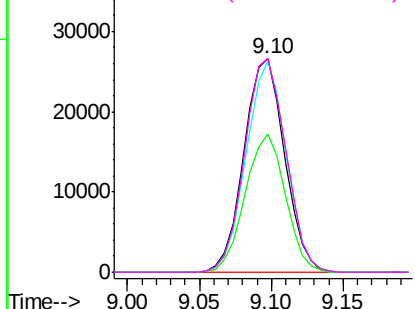
#35
 Trichloroethene
 Concen: 26.047 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. 0.01 min
 Lab File: VW007139.D
 Acq: 30 Nov 2018 12:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02583

Tgt Ion: 95 Resp: 51998
 Ion Ratio Lower Upper
 95 100
 97 63.9 46.8 87.0
 132 97.4 68.7 127.7
 130 101.3 71.9 133.5

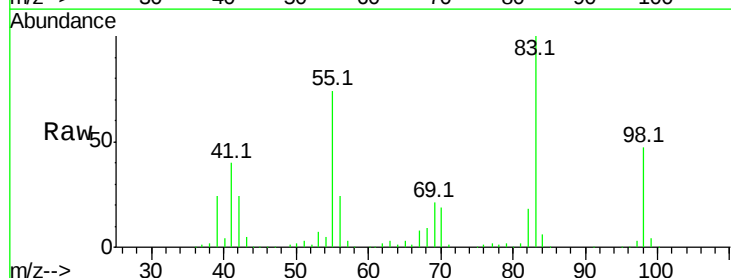


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

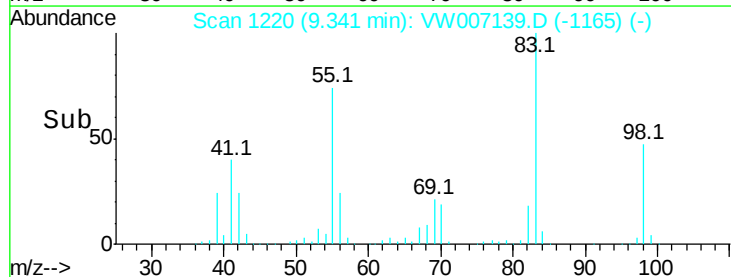
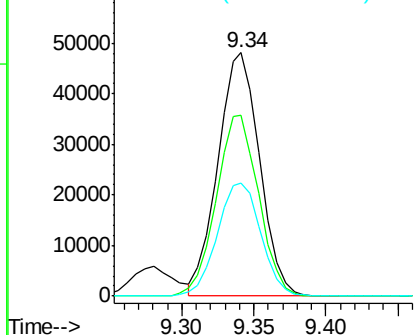


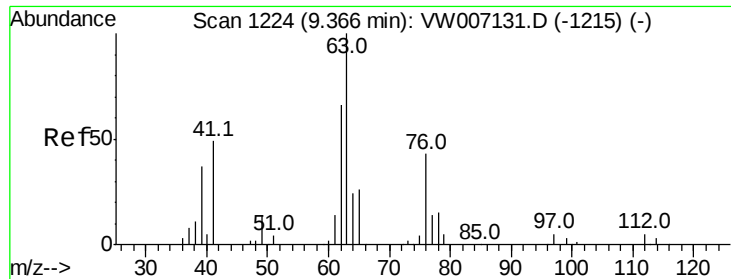
#36
 Methylcyclohexane
 Concen: 27.383 ug/L
 RT: 9.34 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VW007139.D
 Acq: 30 Nov 2018 12:22

Tgt Ion: 83 Resp: 97210
 Ion Ratio Lower Upper
 83 100
 55 75.3 60.3 90.5
 98 48.5 38.3 57.5



Abundance Ion 83.00 (82.70 to 83.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 98.00 (97.70 to 98.70): VW

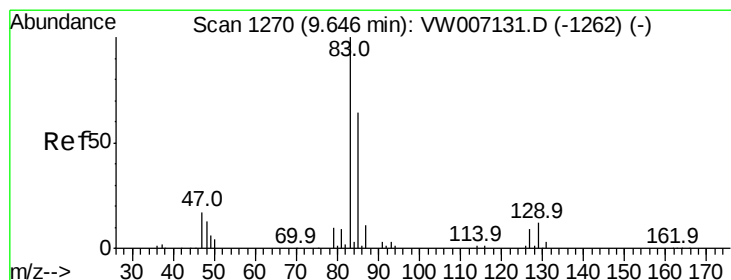
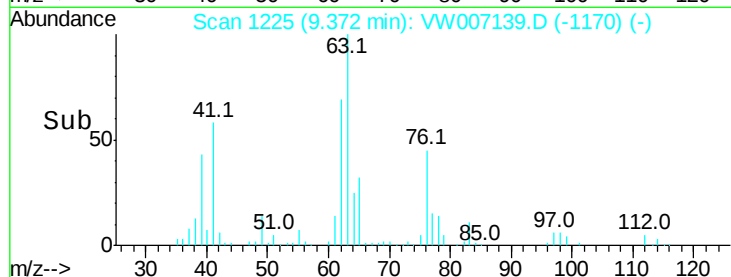
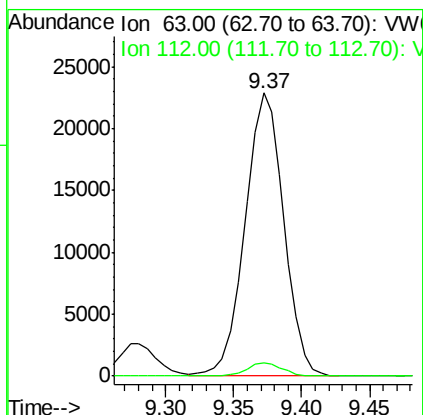
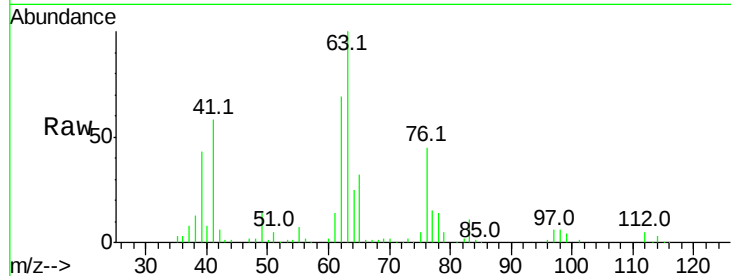




#40
 1,2-Dichloropropane
 Concen: 25.769 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW007139.D
 Acq: 30 Nov 2018 12:22

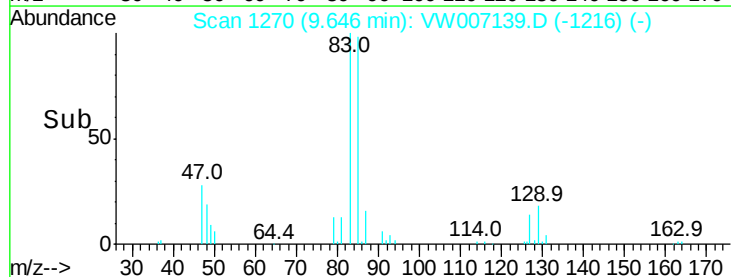
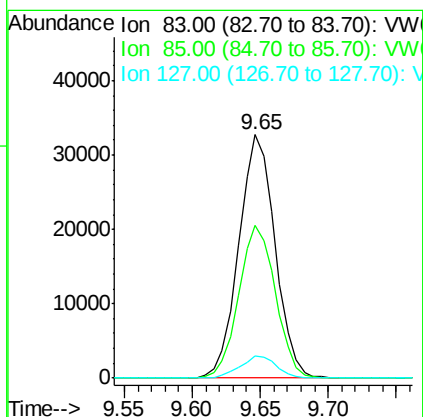
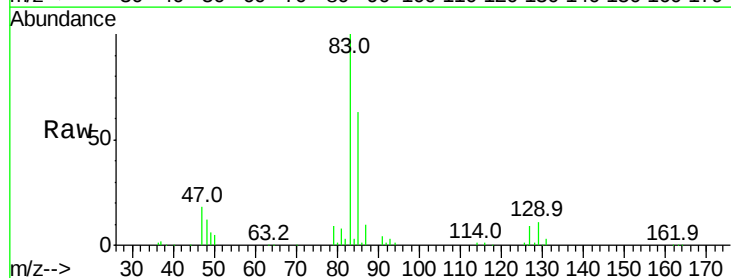
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02583

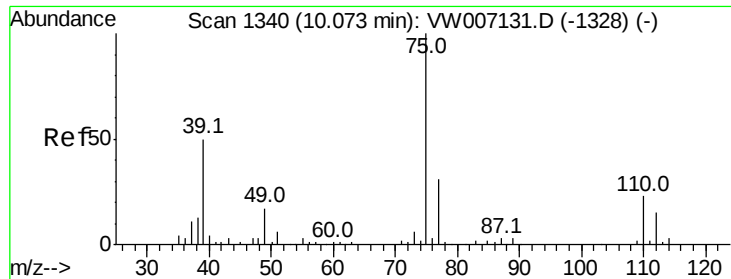
Tgt Ion: 63 Resp: 45603
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.4 5.2



#41
 Bromodichloromethane
 Concen: 25.800 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW007139.D
 Acq: 30 Nov 2018 12:22

Tgt Ion: 83 Resp: 61041
 Ion Ratio Lower Upper
 83 100
 85 62.7 44.9 83.3
 127 8.9 7.5 11.3





#42

cis-1,3-Dichloropropene

Concen: 26.088 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. 0.01 min

Lab File: VW007139.D

Acq: 30 Nov 2018 12:22

Instrument :

MSVOA_W

ClientSampleId :

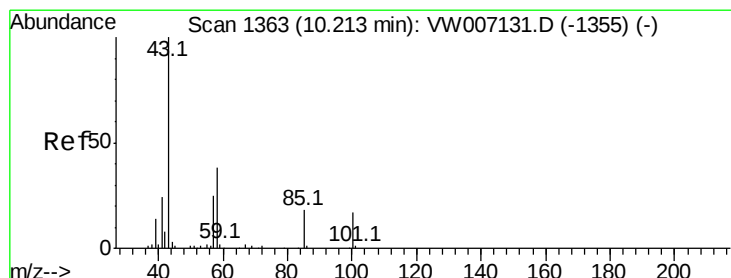
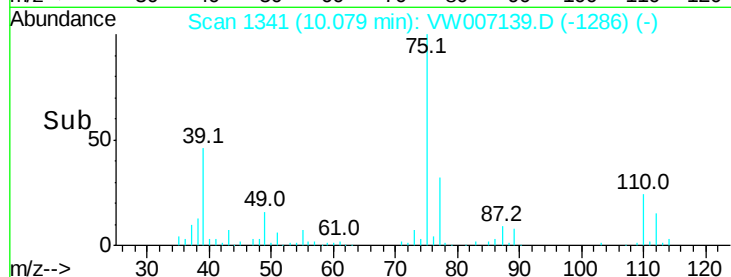
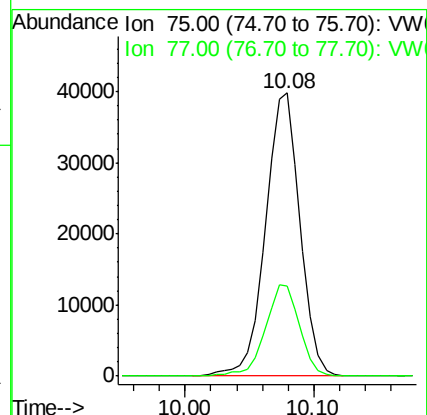
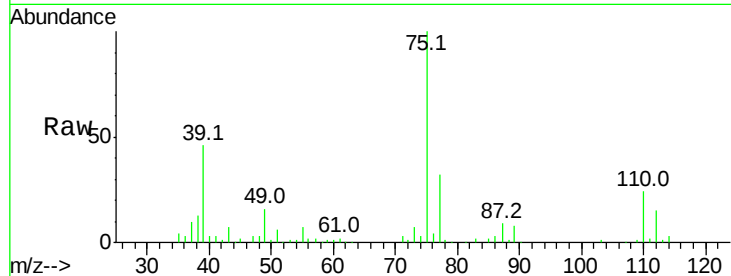
VSTD02583

Tgt Ion: 75 Resp: 73710

Ion Ratio Lower Upper

75 100

77 31.9 21.8 40.4



#43

4-Methyl-2-pentanone

Concen: 64.511 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW007139.D

Acq: 30 Nov 2018 12:22

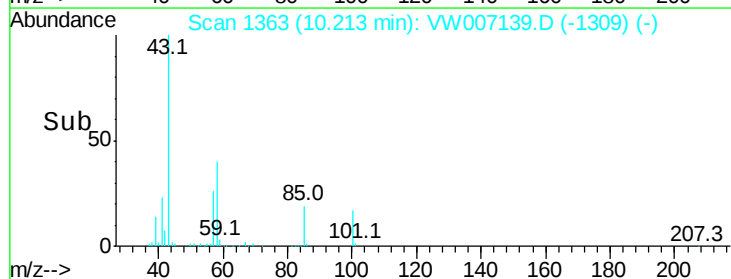
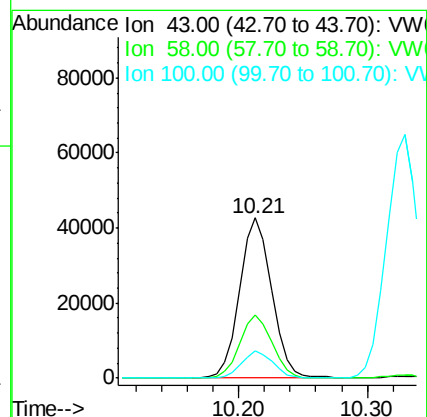
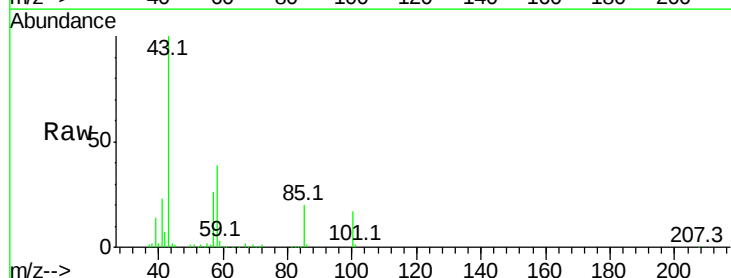
Tgt Ion: 43 Resp: 73825

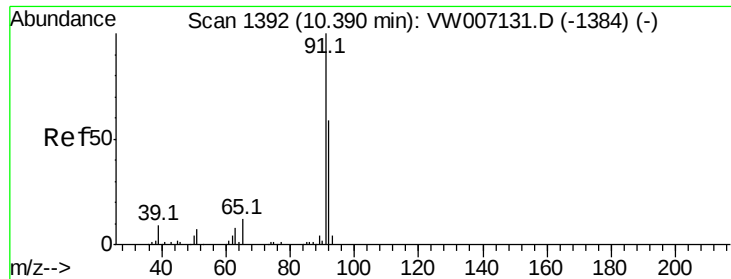
Ion Ratio Lower Upper

43 100

58 39.3 31.3 46.9

100 16.4 12.7 19.1





#44

Toluene

Concen: 27.867 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007139.D

Acq: 30 Nov 2018 12:22

Instrument :

MSVOA_W

ClientSampleId :

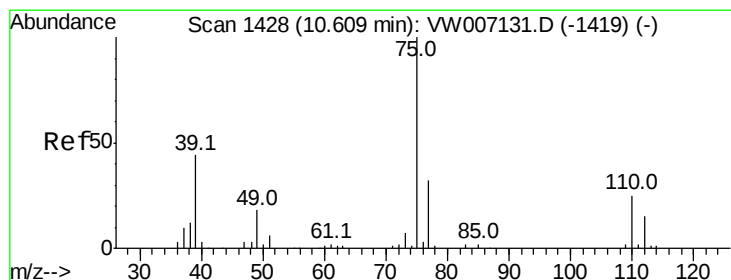
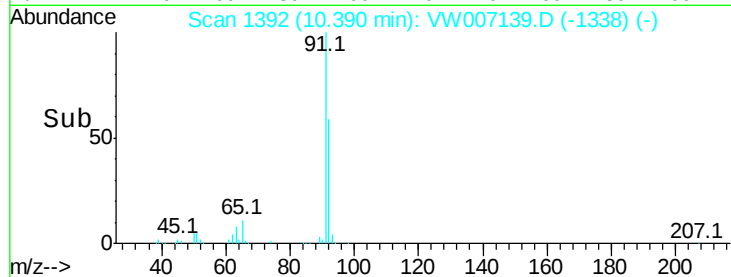
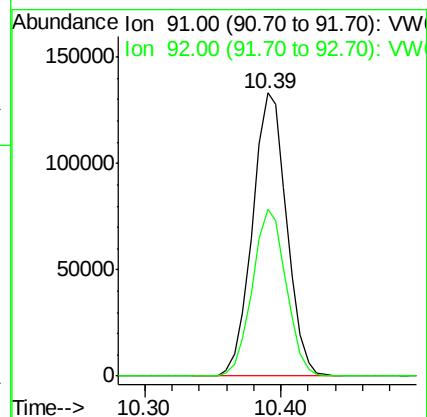
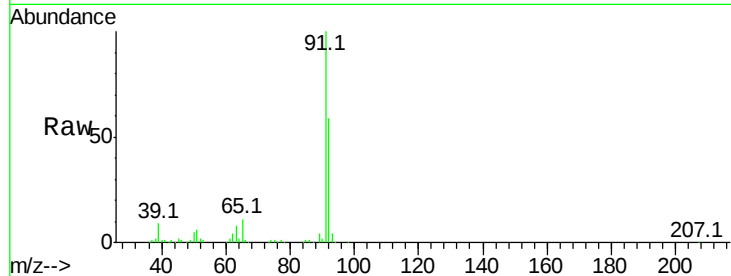
VSTD02583

Tgt Ion: 91 Resp: 234645

Ion Ratio Lower Upper

91 100

92 58.9 41.2 76.6



#45

trans-1,3-Dichloropropene

Concen: 26.865 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW007139.D

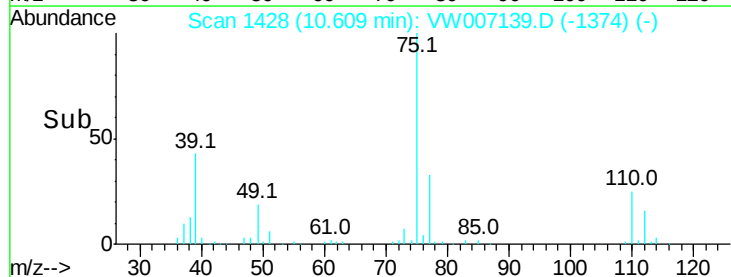
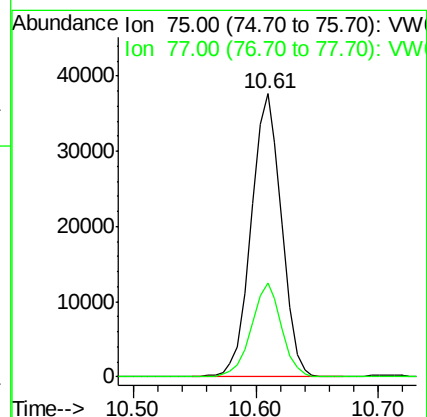
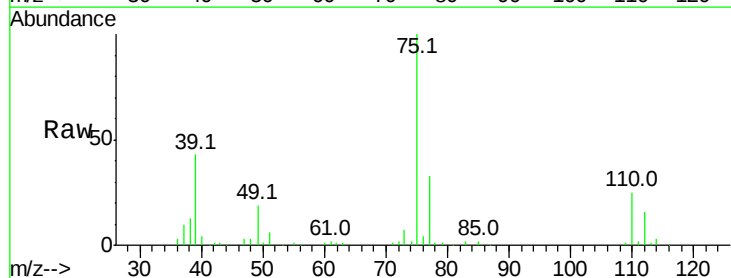
Acq: 30 Nov 2018 12:22

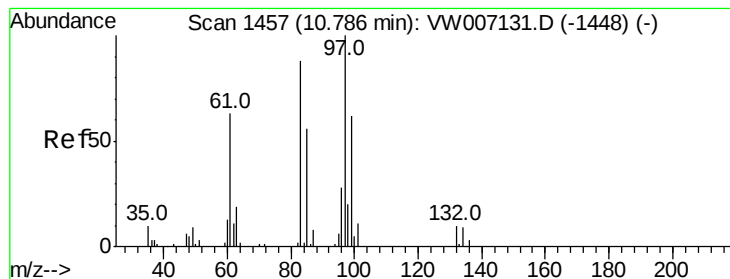
Tgt Ion: 75 Resp: 64977

Ion Ratio Lower Upper

75 100

77 33.2 22.4 41.6





#46

1,1,2-Trichloroethane

Concen: 27.289 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW007139.D

Acq: 30 Nov 2018 12:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD02583

Tgt Ion: 97 Resp: 36719

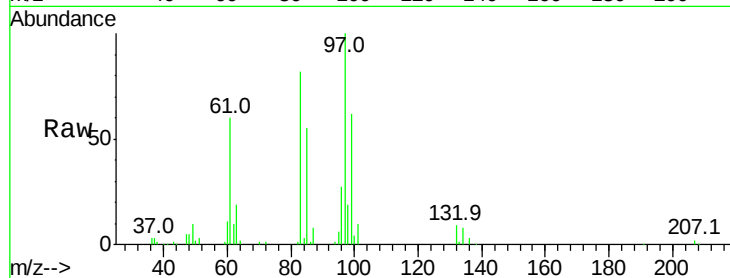
Ion Ratio Lower Upper

97 100

83 81.6 61.5 114.3

85 55.2 39.3 73.1

99 62.0 43.8 81.3

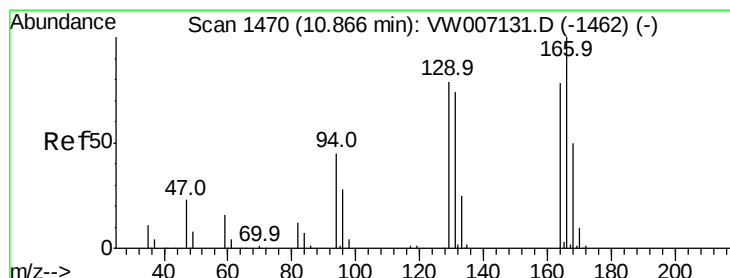
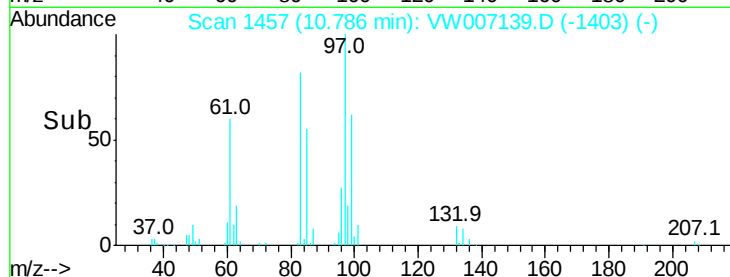
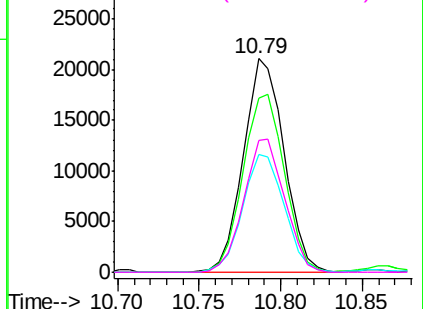


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 28.410 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW007139.D

Acq: 30 Nov 2018 12:22

Tgt Ion: 164 Resp: 46722

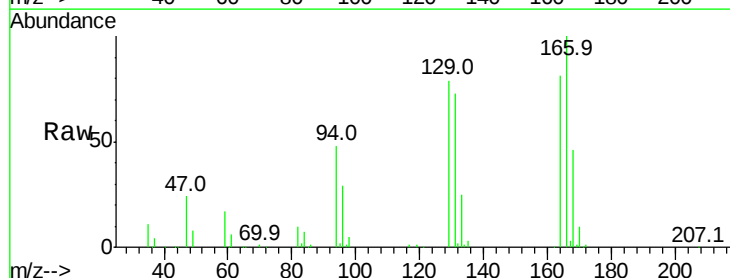
Ion Ratio Lower Upper

164 100

129 97.9 71.2 132.2

131 90.5 67.2 124.8

166 123.7 90.3 167.7

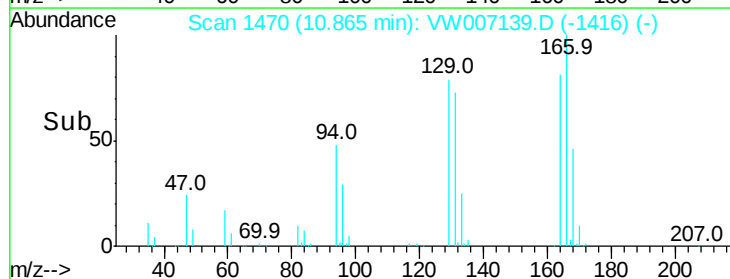
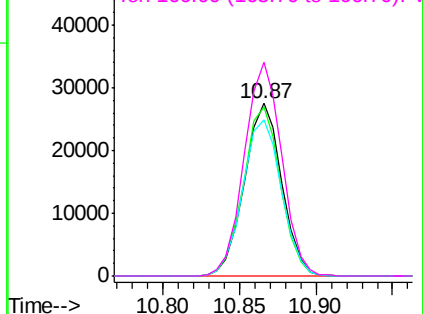


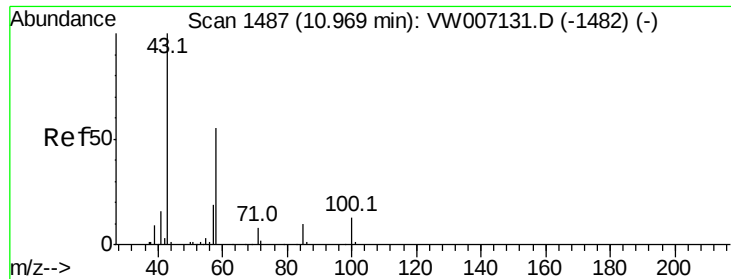
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

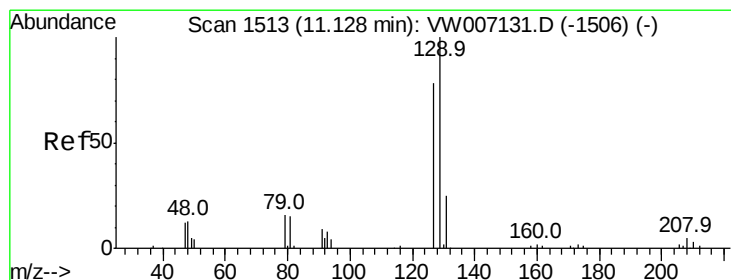
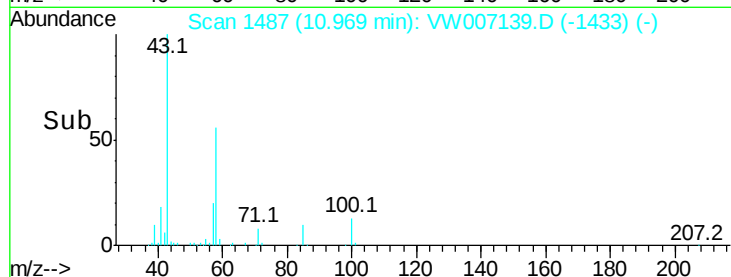
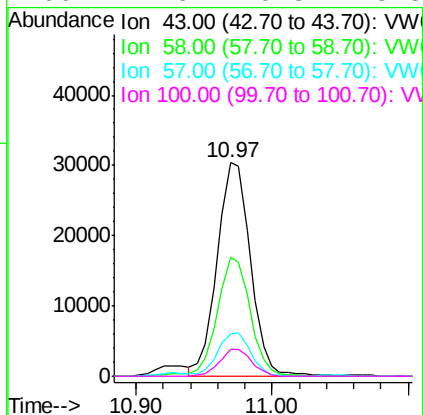
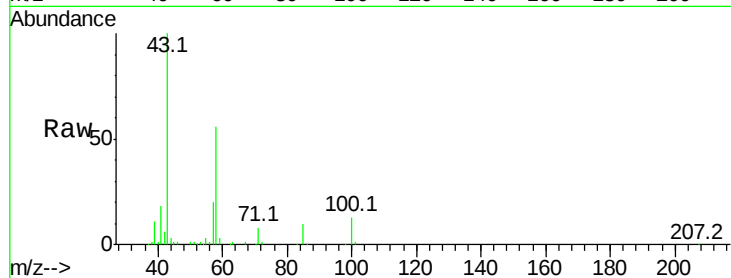




#49
2-Hexanone
Concen: 59.404 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007139.D
Acq: 30 Nov 2018 12:22

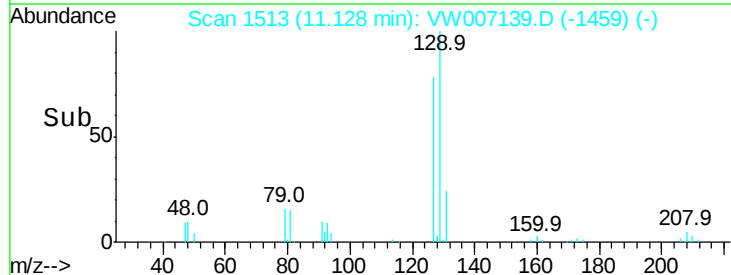
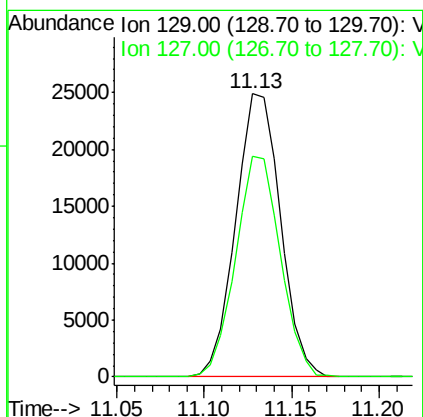
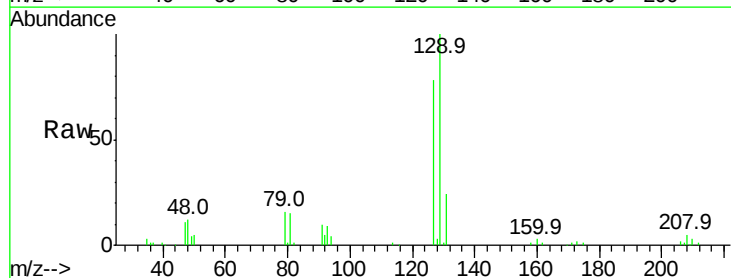
Instrument :
MSVOA_W
ClientSampleId :
VSTD02583

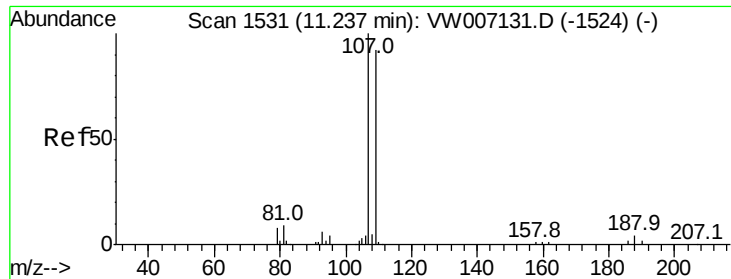
Tgt Ion: 43 Resp: 51232
Ion Ratio Lower Upper
43 100
58 55.2 45.6 68.4
57 20.4 16.3 24.5
100 12.6 10.3 15.5



#50
Dibromochloromethane
Concen: 27.096 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007139.D
Acq: 30 Nov 2018 12:22

Tgt Ion: 129 Resp: 44666
Ion Ratio Lower Upper
129 100
127 78.0 54.7 101.7

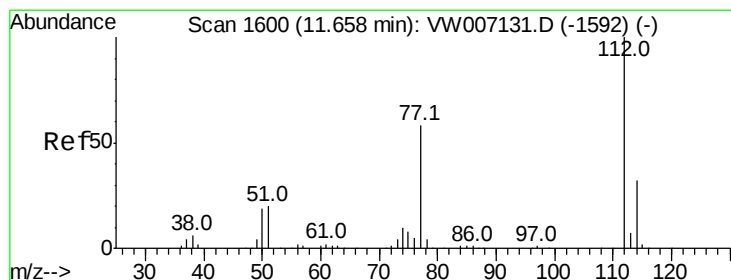
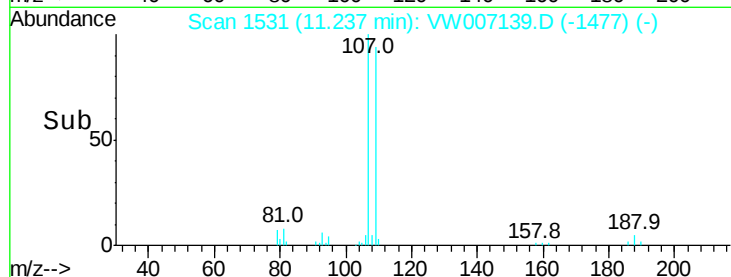
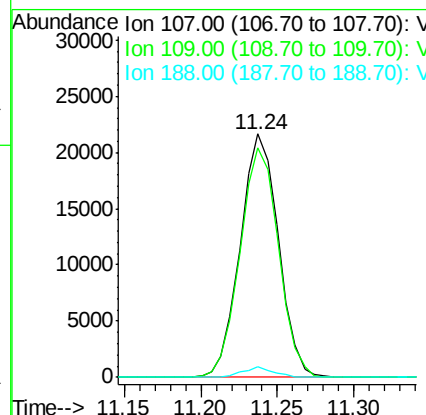
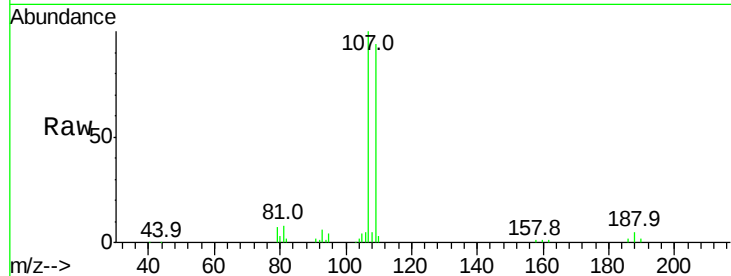




#51
 1,2-Dibromoethane
 Concen: 27.852 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW007139.D
 Acq: 30 Nov 2018 12:22

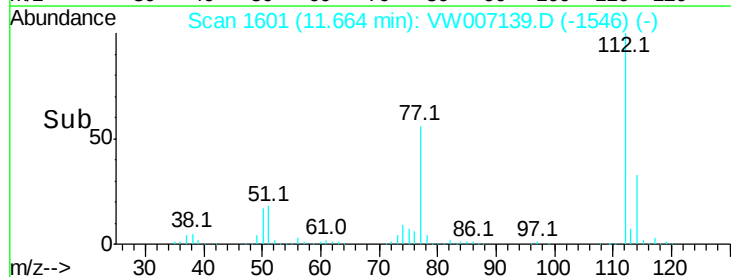
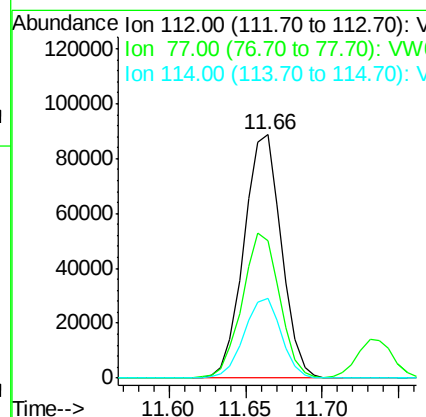
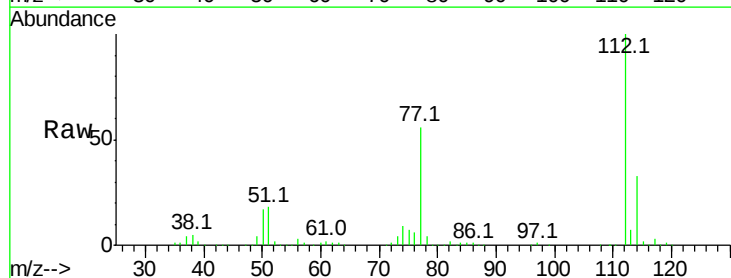
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02583

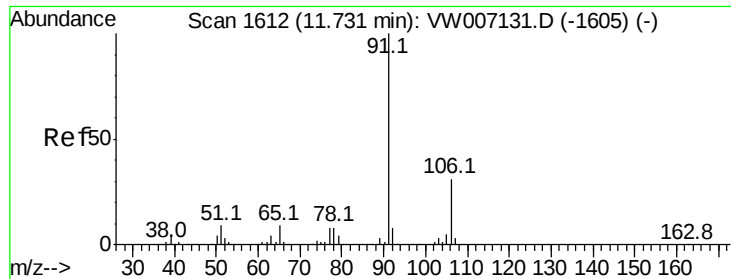
Tgt Ion:107 Resp: 37531
 Ion Ratio Lower Upper
 107 100
 109 94.3 64.3 119.3
 188 4.5 2.8 4.2#



#52
 Chlorobenzene
 Concen: 27.198 ug/L
 RT: 11.66 min Scan# 1601
 Delta R.T. 0.01 min
 Lab File: VW007139.D
 Acq: 30 Nov 2018 12:22

Tgt Ion:112 Resp: 150969
 Ion Ratio Lower Upper
 112 100
 77 56.2 46.4 69.6
 114 32.6 22.3 41.3





#53

Ethylbenzene

Concen: 27.200 ug/L

RT: 11.74 min Scan# 1613

Delta R.T. 0.01 min

Lab File: VW007139.D

Acq: 30 Nov 2018 12:22

Instrument :

MSVOA_W

ClientSampleId :

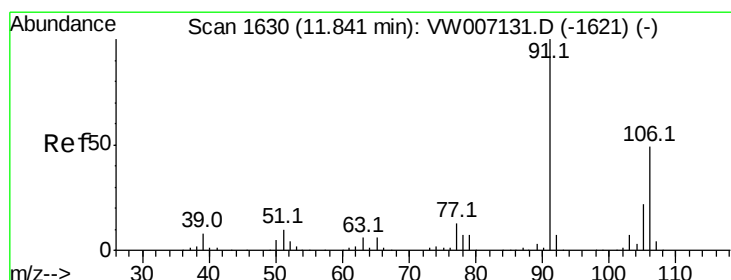
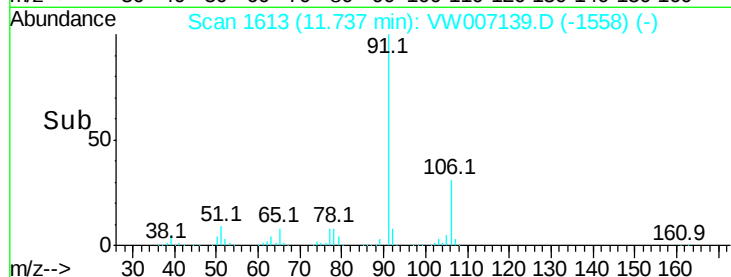
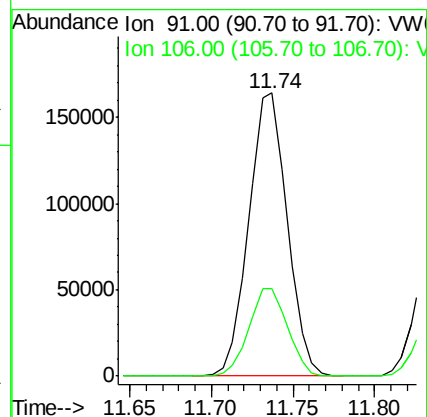
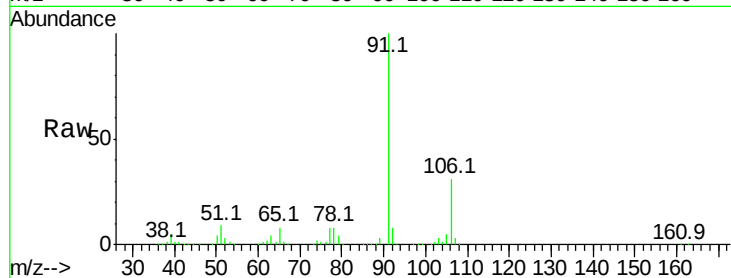
VSTD02583

Tgt Ion: 91 Resp: 269126

Ion Ratio Lower Upper

91 100

106 31.1 21.6 40.2



#54

m,p-Xylene

Concen: 26.644 ug/L

RT: 11.85 min Scan# 1631

Delta R.T. 0.01 min

Lab File: VW007139.D

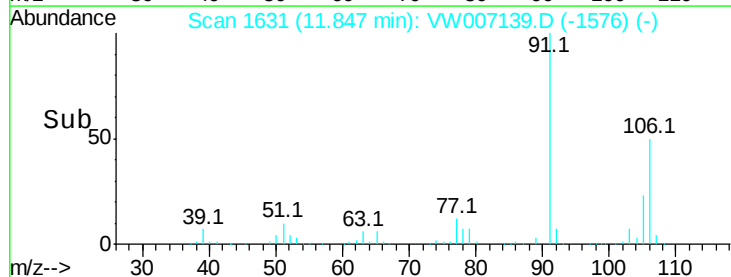
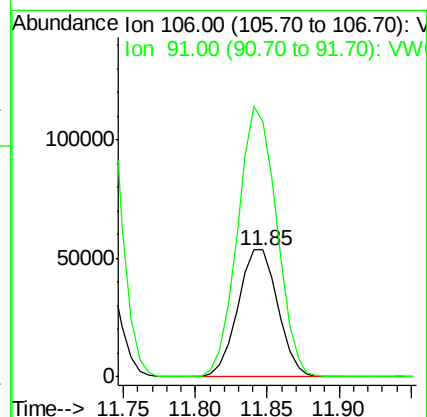
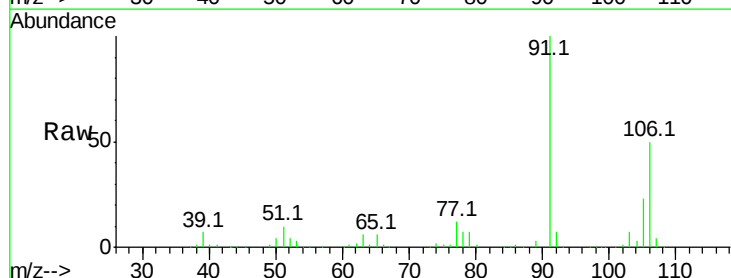
Acq: 30 Nov 2018 12:22

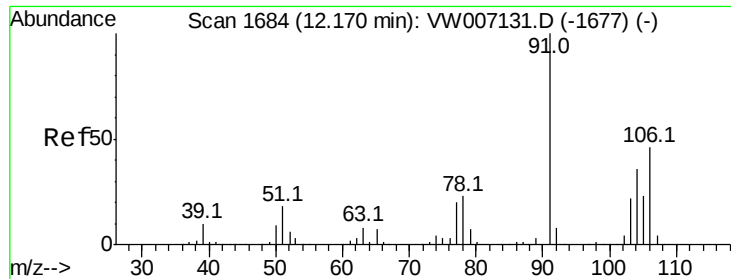
Tgt Ion: 106 Resp: 103564

Ion Ratio Lower Upper

106 100

91 201.0 142.0 263.6





#55

o-xylene

Concen: 27.188 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW007139.D

Acq: 30 Nov 2018 12:22

Instrument :

MSVOA_W

ClientSampleId :

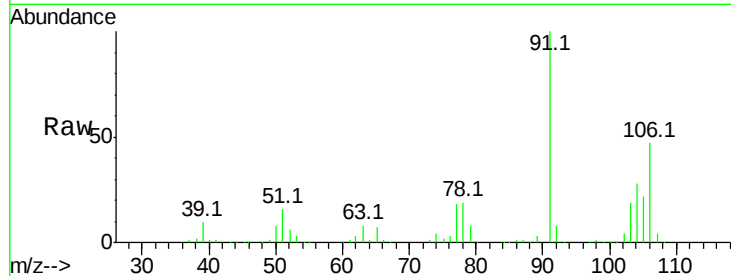
VSTD02583

Tgt Ion:106 Resp: 98432

Ion Ratio Lower Upper

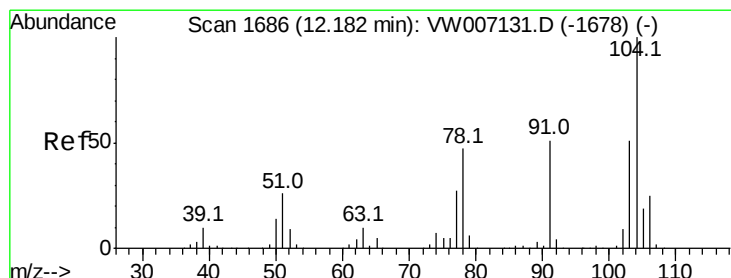
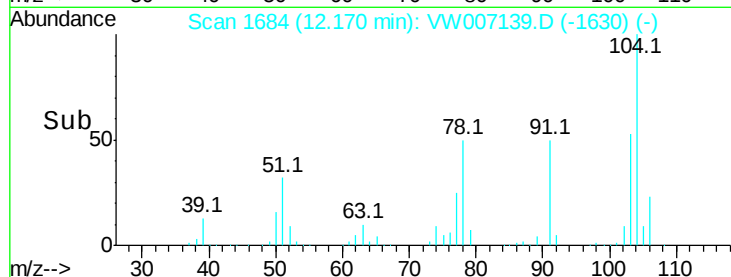
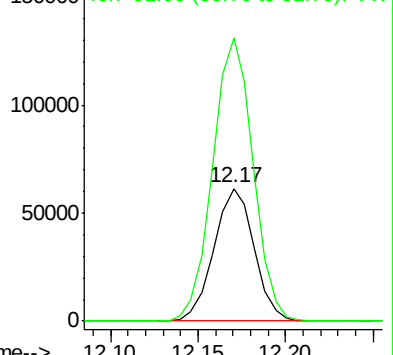
106 100

91 212.9 152.2 282.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 27.529 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW007139.D

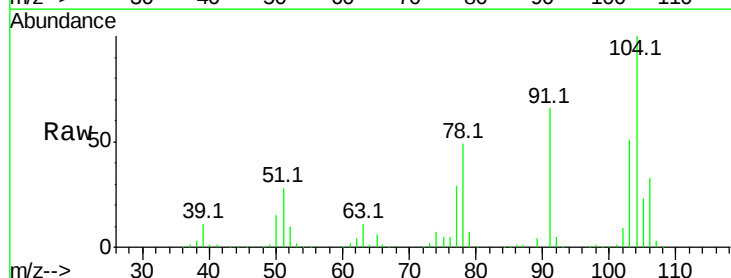
Acq: 30 Nov 2018 12:22

Tgt Ion:104 Resp: 166665

Ion Ratio Lower Upper

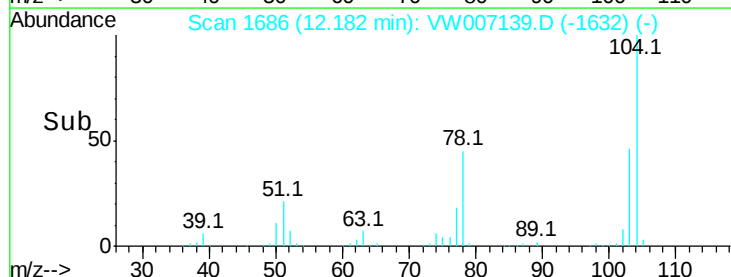
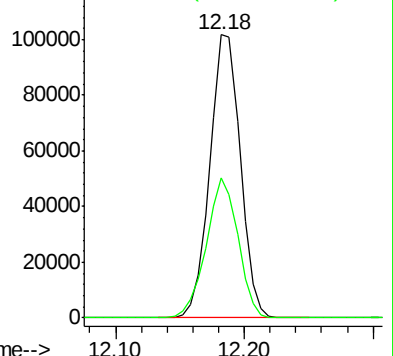
104 100

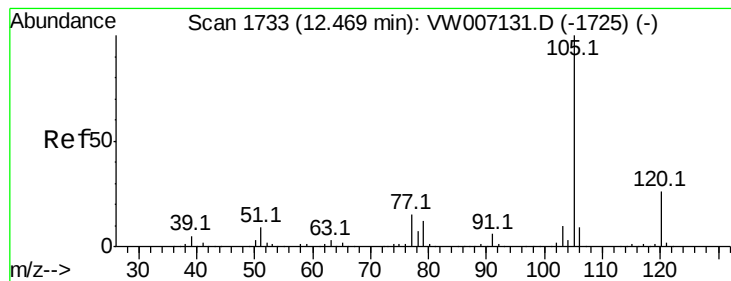
78 49.4 32.8 61.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 27.393 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007139.D

Acq: 30 Nov 2018 12:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD02583

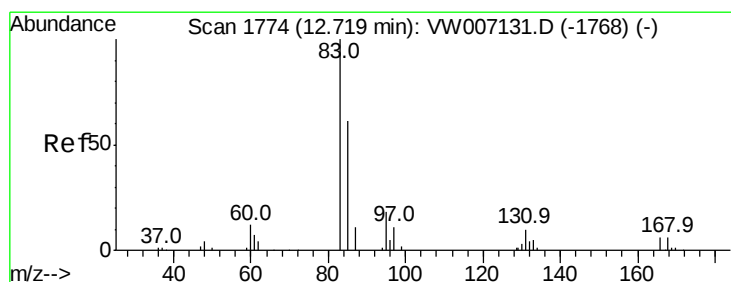
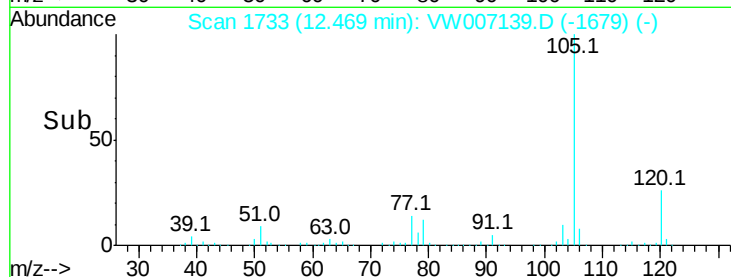
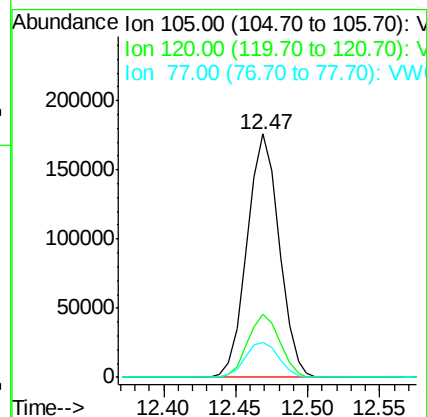
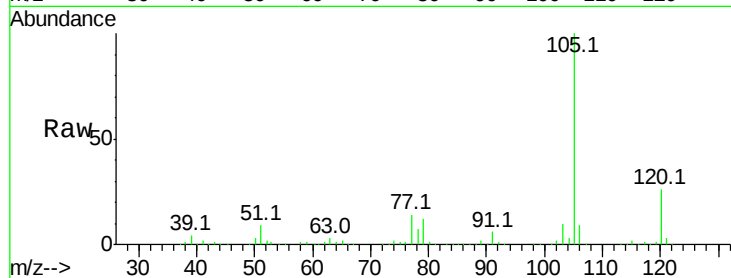
Tgt Ion: 105 Resp: 271239

Ion Ratio Lower Upper

105 100

120 26.0 21.0 31.6

77 15.0 12.2 18.4



#58

1,1,2,2-Tetrachloroethane

Concen: 30.969 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007139.D

Acq: 30 Nov 2018 12:22

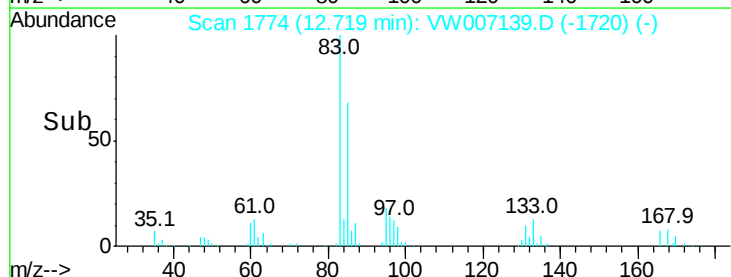
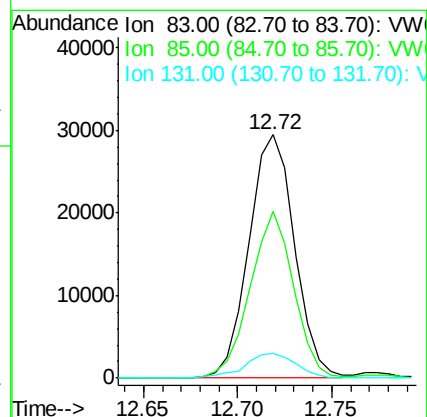
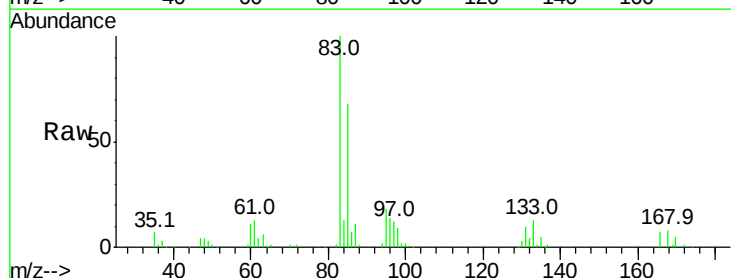
Tgt Ion: 83 Resp: 49372

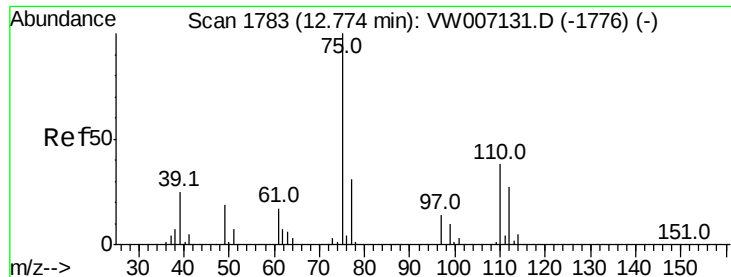
Ion Ratio Lower Upper

83 100

85 68.3 43.6 81.0

131 10.2 8.7 13.1





#59

1,2,3-Trichloropropane

Concen: 30.336 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW007139.D

Acq: 30 Nov 2018 12:22

Instrument :

MSVOA_W

ClientSampleId :

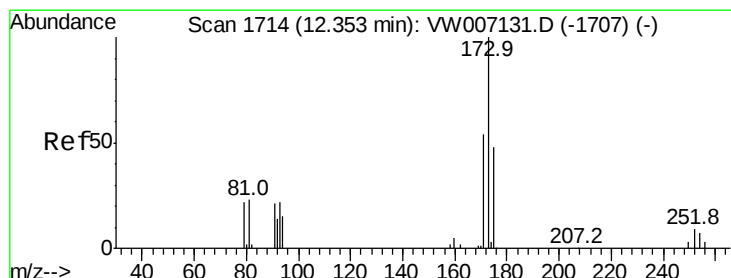
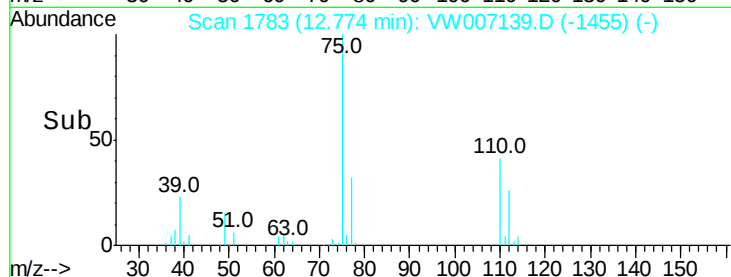
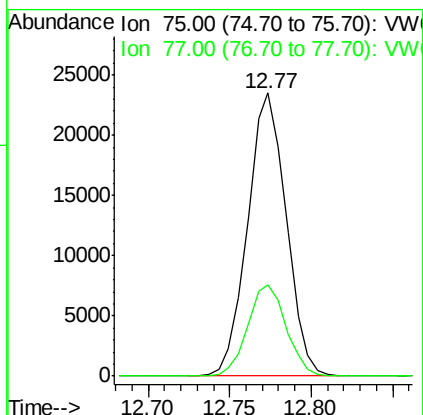
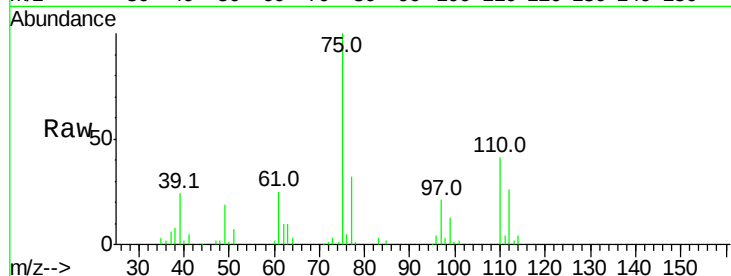
VSTD02583

Tgt Ion: 75 Resp: 38781

Ion Ratio Lower Upper

75 100

77 32.2 25.5 38.3



#62

Bromoform

Concen: 29.217 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW007139.D

Acq: 30 Nov 2018 12:22

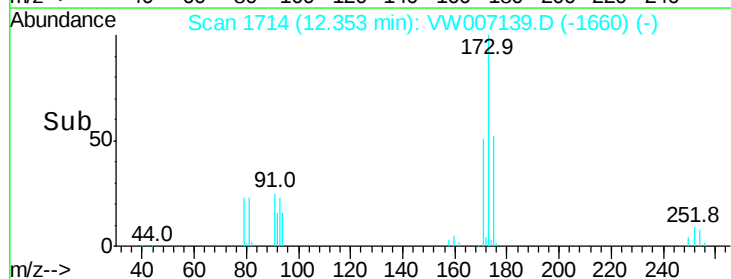
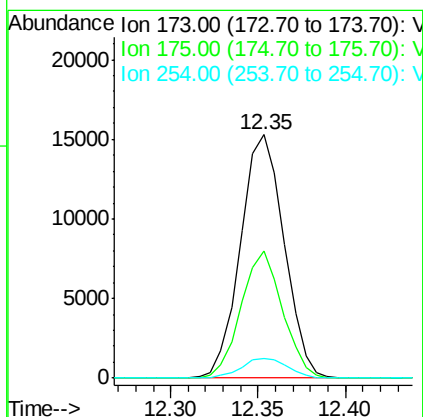
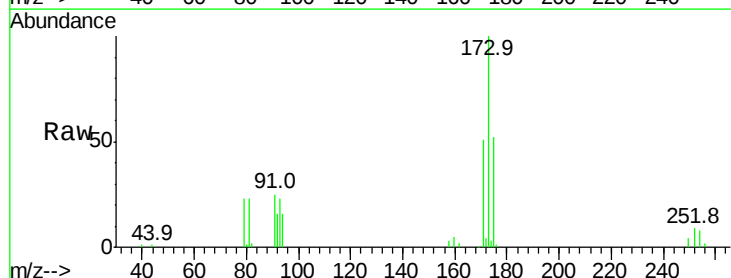
Tgt Ion: 173 Resp: 26472

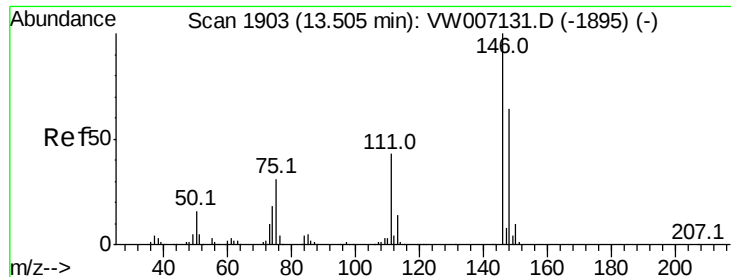
Ion Ratio Lower Upper

173 100

175 49.8 38.3 57.5

254 8.6 6.2 9.4

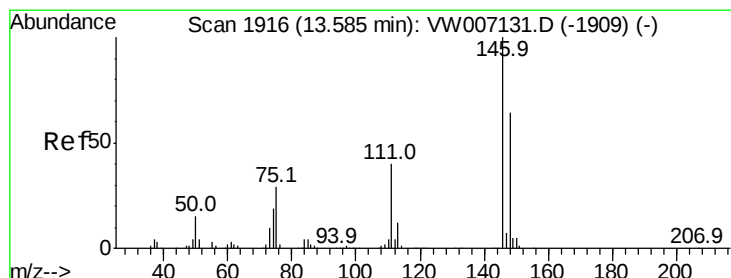
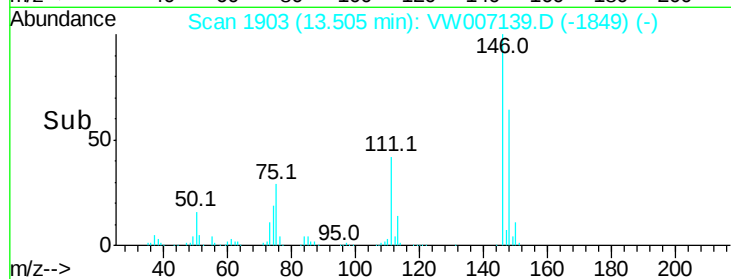
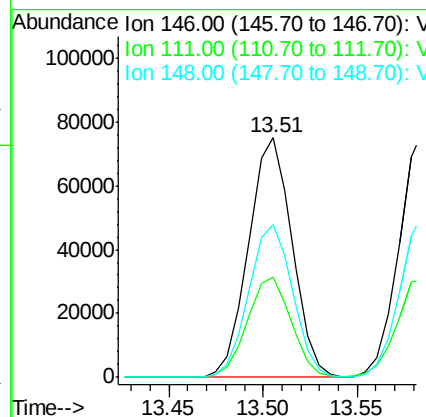
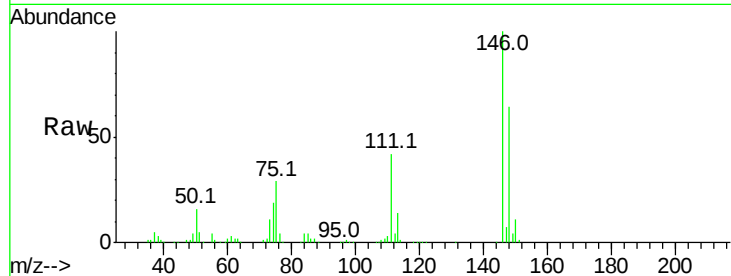




#63
 1,3-Dichlorobenzene
 Concen: 27.075 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007139.D
 Acq: 30 Nov 2018 12:22

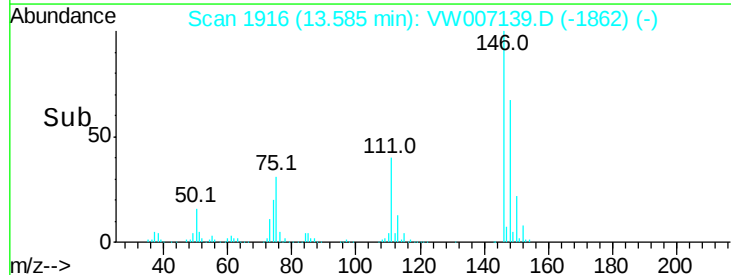
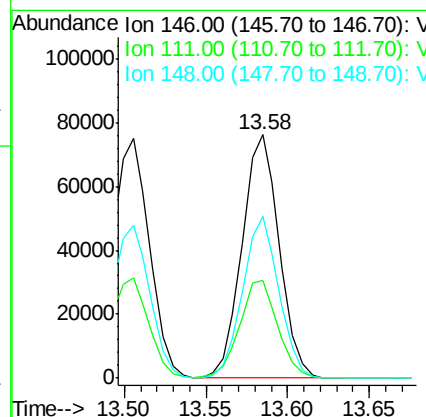
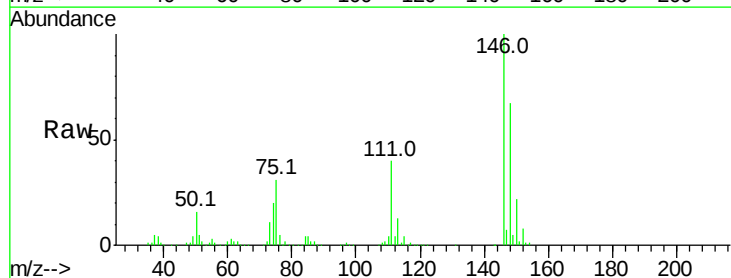
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02583

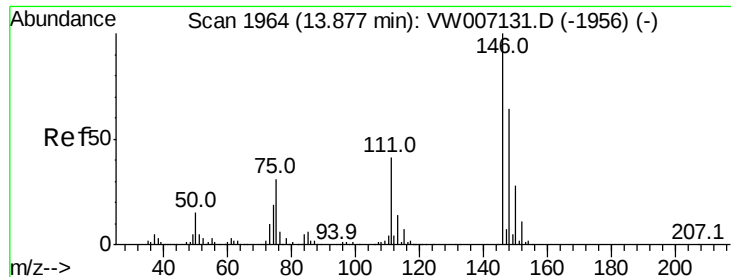
Tgt Ion:146 Resp: 120088
 Ion Ratio Lower Upper
 146 100
 111 41.7 30.0 55.6
 148 63.9 45.0 83.6



#64
 1,4-Dichlorobenzene
 Concen: 27.235 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW007139.D
 Acq: 30 Nov 2018 12:22

Tgt Ion:146 Resp: 120654
 Ion Ratio Lower Upper
 146 100
 111 40.3 28.3 52.5
 148 66.6 44.9 83.5

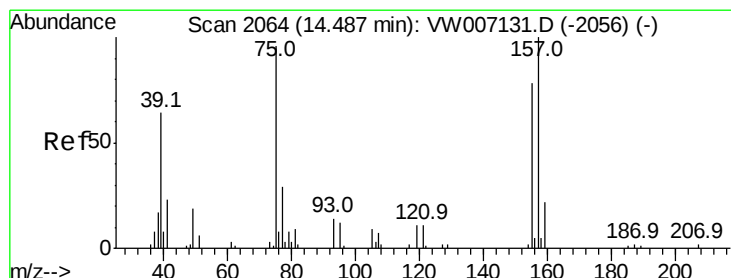
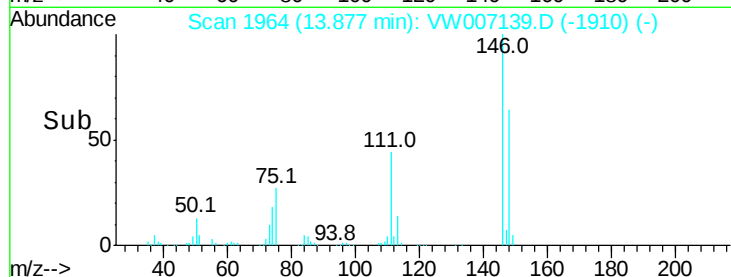
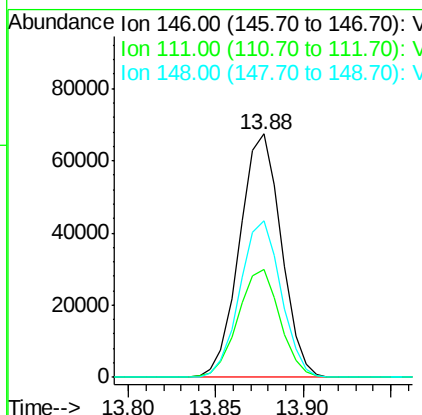
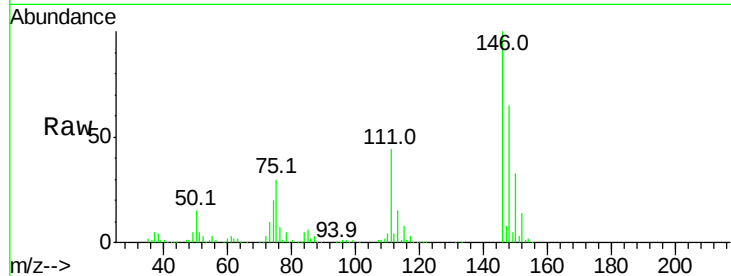




#65
1,2-Dichlorobenzene
Concen: 27.931 ug/L
RT: 13.88 min Scan# 1964
Delta R.T. -0.00 min
Lab File: VW007139.D
Acq: 30 Nov 2018 12:22

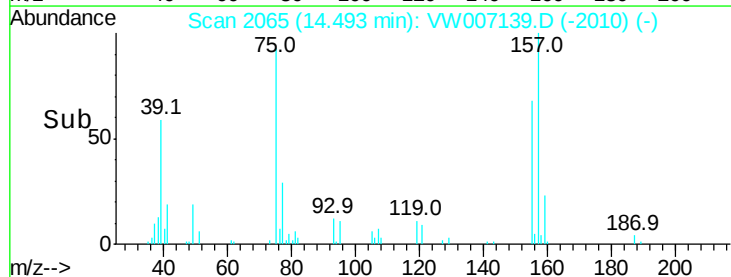
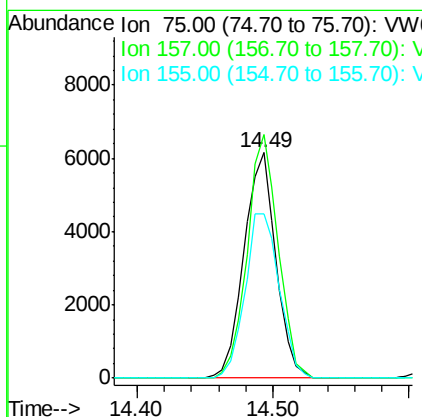
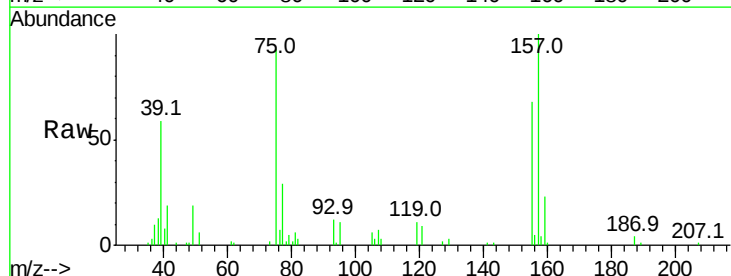
Instrument :
MSVOA_W
ClientSampleId :
VSTD02583

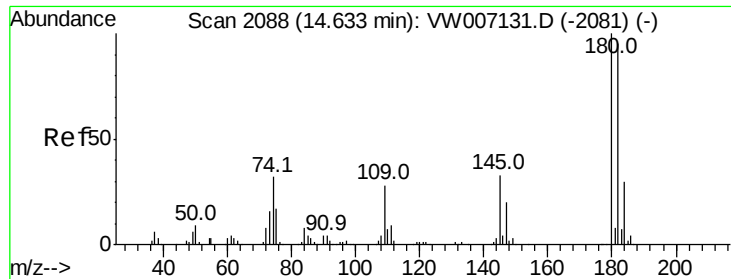
Tgt Ion:146 Resp: 111707
Ion Ratio Lower Upper
146 100
111 44.1 33.1 49.7
148 64.5 51.2 76.8



#66
1,2-Dibromo-3-chloropropane
Concen: 34.007 ug/L
RT: 14.49 min Scan# 2065
Delta R.T. 0.01 min
Lab File: VW007139.D
Acq: 30 Nov 2018 12:22

Tgt Ion: 75 Resp: 10043
Ion Ratio Lower Upper
75 100
157 108.0 83.4 125.2
155 72.9 65.0 97.4

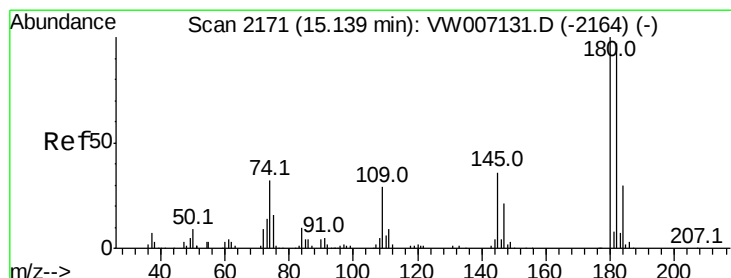
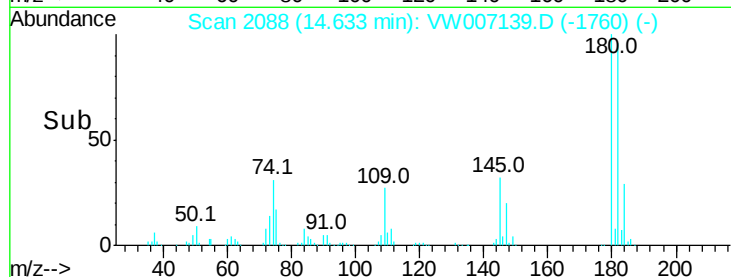
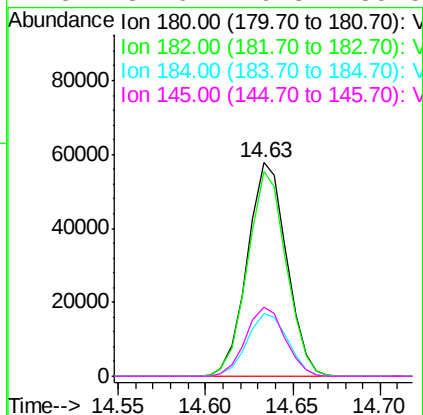
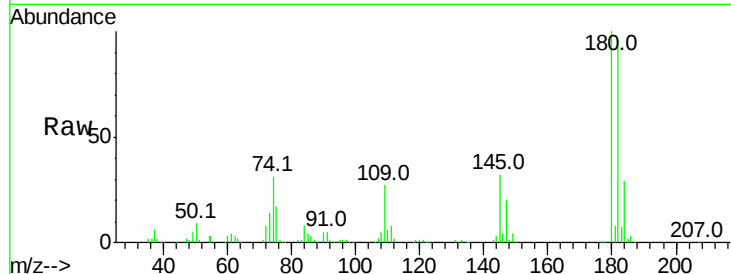




#67
 1,3,5-Trichlorobenzene
 Concen: 30.593 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW007139.D
 Acq: 30 Nov 2018 12:22

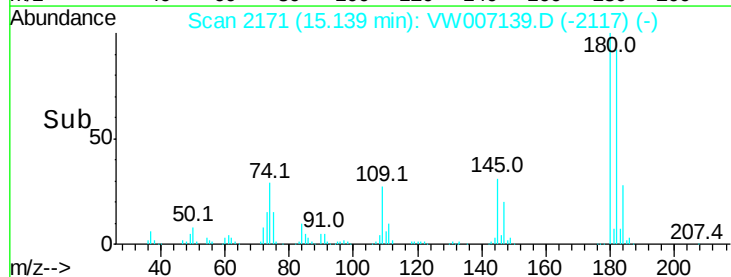
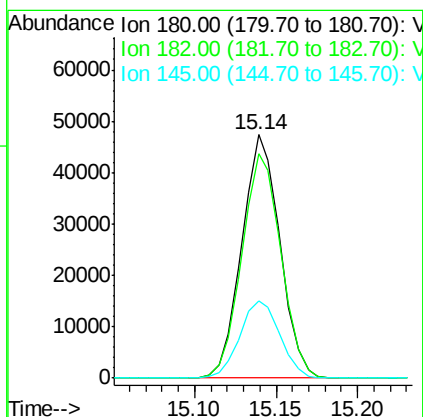
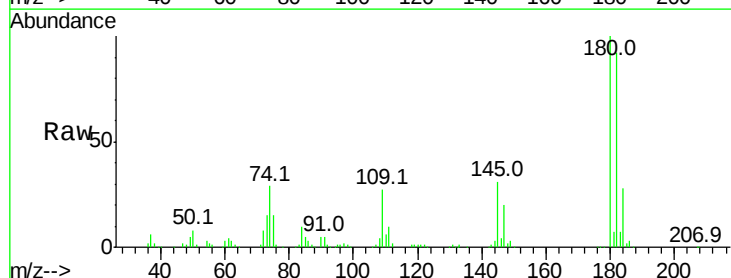
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02583

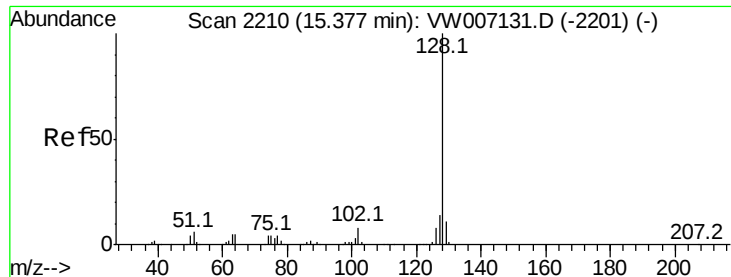
Tgt Ion:180 Resp: 90362
 Ion Ratio Lower Upper
 180 100
 182 94.9 76.5 114.7
 184 30.3 24.2 36.2
 145 32.6 26.3 39.5



#68
 1,2,4-trichlorobenzene
 Concen: 31.528 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007139.D
 Acq: 30 Nov 2018 12:22

Tgt Ion:180 Resp: 76847
 Ion Ratio Lower Upper
 180 100
 182 94.5 76.8 115.2
 145 33.2 27.9 41.9





#69

Naphthalene

Concen: 34.797 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW007139.D

Acq: 30 Nov 2018 12:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD02583

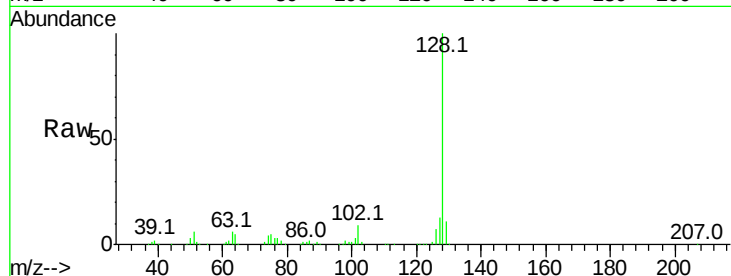
Tgt Ion:128 Resp: 175619

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

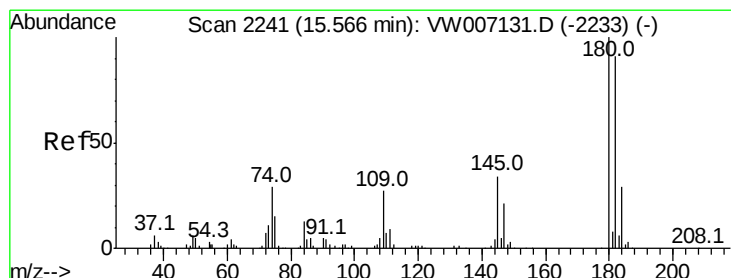
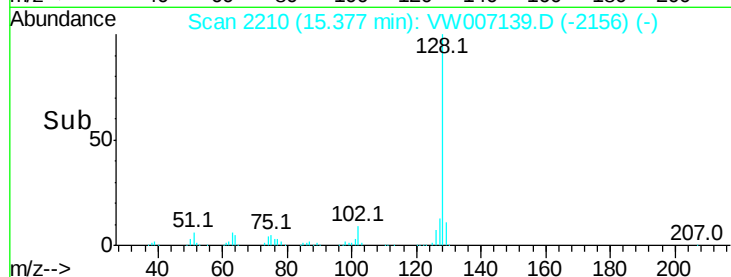
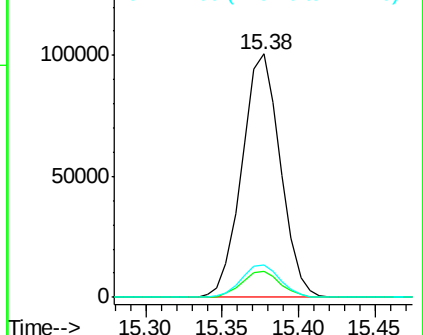
127 13.6 10.8 16.2



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: 32.031 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. -0.00 min

Lab File: VW007139.D

Acq: 30 Nov 2018 12:22

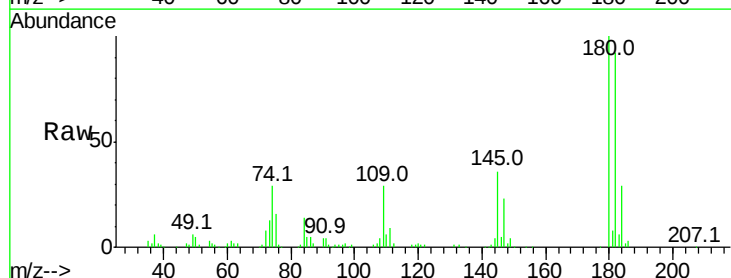
Tgt Ion:180 Resp: 68621

Ion Ratio Lower Upper

180 100

182 93.7 74.2 111.2

145 35.3 28.4 42.6



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

