

Data File : VW007141.D
Acq On : 30 Nov 2018 13:13
Operator : SY/AP
Sample : VSTD10085
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD10085

Quant Time: Nov 30 14:33:59 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 30 13:02:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	141851	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	134002	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	66872	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	111197	100.70	ug/L	0.00
7) Chloroethane-d5	2.87	69	83522	96.83	ug/L	-0.02
10) 1,1-Dichloroethene-d2	4.02	63	309193	100.60	ug/L	-0.01
20) 2-Butanone-d5	7.08	46	103452	223.21	ug/L	0.00
24) Chloroform-d	7.65	84	305081	116.89	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	172215	93.68	ug/L	0.00
29) Benzene-d6	8.28	84	650398	103.35	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	183745	96.70	ug/L	0.00
37) Toluene-d8	10.33	98	658056	99.57	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	96685	110.71	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	97211	262.00	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	172965	112.39	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	236550	98.01	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	254007	97.815	ug/L	99
3) Chloromethane	2.22	50	187089	112.511	ug/L	100
5) Vinyl chloride	2.36	62	158350	98.718	ug/L	100
6) Bromomethane	2.76	94	94139	113.440	ug/L	99
8) Chloroethane	2.91	64	81388	98.238	ug/L	97
9) Trichlorofluoromethane	3.26	101	305432	103.250	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	178857	98.938	ug/L	100
12) 1,1-Dichloroethene	4.04	96	162232	105.716	ug/L	97
13) Acetone	4.13	43	62057	175.020	ug/L	96
14) Carbon disulfide	4.39	76	614317	113.527	ug/L	99
15) Methyl Acetate	4.68	43	96444	120.288	ug/L	98
16) Methylene chloride	4.92	84	192254	89.806	ug/L	99
17) Methyl tert-butyl Ether	5.43	73	423437	102.421	ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	179096	103.358	ug/L	97
19) 1,1-Dichloroethane	6.23	63	300330	105.958	ug/L	100
21) 2-Butanone	7.17	43	105828	192.783	ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	194201	107.115	ug/L	99
23) Bromochloromethane	7.52	128	85497	109.107	ug/L	91
25) Chloroform	7.68	83	317782	89.507	ug/L	100
27) 1,2-Dichloroethane	8.40	62	216029	104.242	ug/L	97
30) Cyclohexane	7.96	56	299377	101.397	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	285878	100.822	ug/L	100
32) Carbon tetrachloride	8.07	117	259398	101.271	ug/L	99
34) Benzene	8.33	78	732293	111.051	ug/L	100
35) Trichloroethene	9.09	95	197879	107.389	ug/L	99
36) Methylcyclohexane	9.34	83	362363	110.585	ug/L	99
40) 1,2-Dichloropropane	9.37	63	172713	105.734	ug/L	99
41) Bromodichloromethane	9.65	83	226040	103.506	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	284802	109.206	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	265949	251.776	ug/L	99

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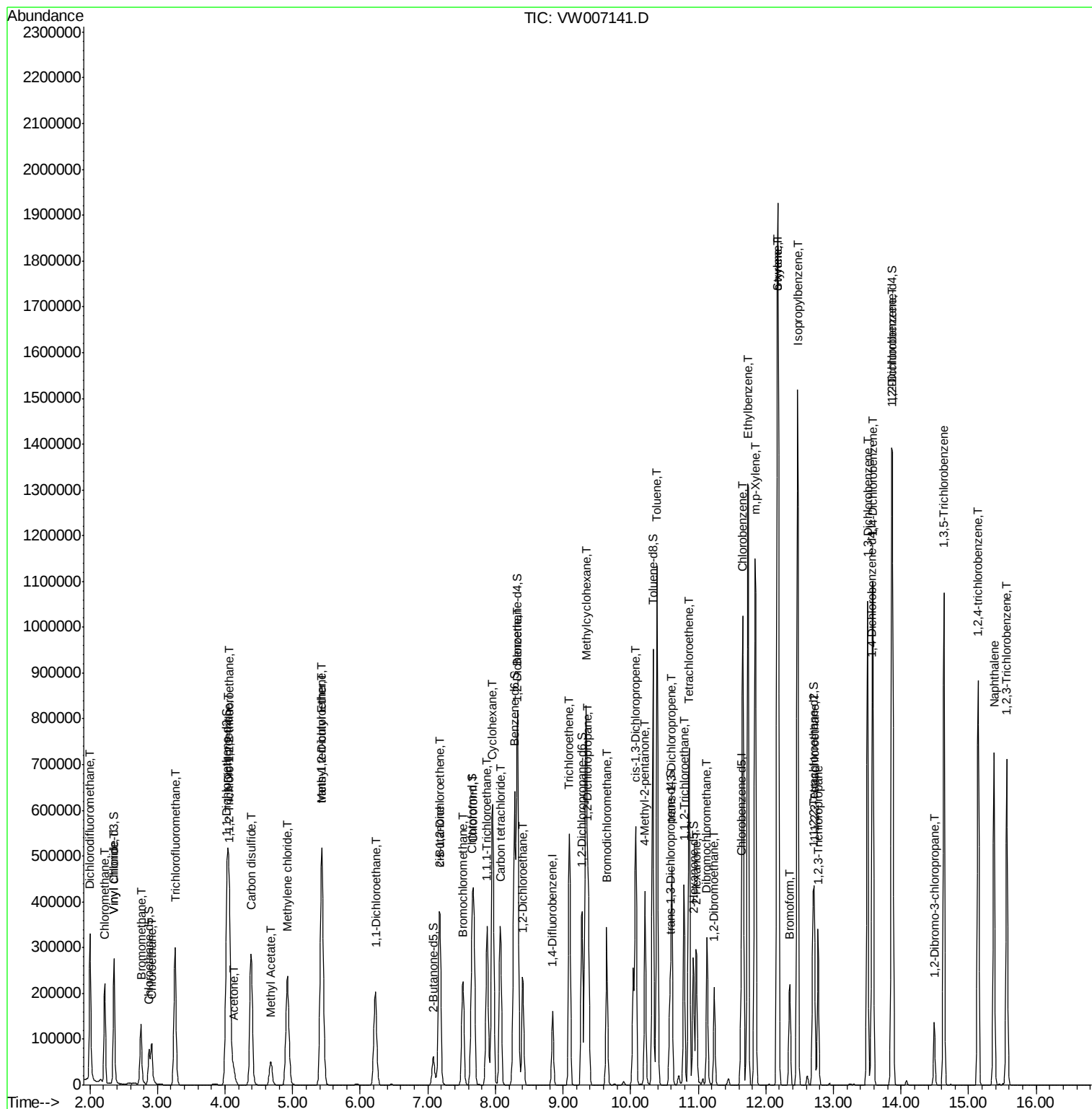
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	834792	107.411	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	257411	115.303	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	138763	111.725	ug/L	97
47) Tetrachloroethene	10.87	164	164051	108.072	ug/L	97
49) 2-Hexanone	10.97	43	187203	235.167	ug/L	99
50) Dibromochloromethane	11.13	129	177104	116.396	ug/L	98
51) 1,2-Dibromoethane	11.24	107	145940	117.335	ug/L #	100
52) Chlorobenzene	11.66	112	547970	106.952	ug/L	97
53) Ethylbenzene	11.74	91	976789	106.956	ug/L	100
54) m,p-Xylene	11.84	106	376337	104.894	ug/L	94
55) o-xylene	12.17	106	347488	103.983	ug/L	96
56) Styrene	12.18	104	599697	107.317	ug/L	99
57) Isopropylbenzene	12.47	105	974310	106.604	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	179007	121.646	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	140760	119.290	ug/L	100
62) Bromoform	12.35	173	104243	124.675	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	440539	107.633	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	436297	106.720	ug/L	97
65) 1,2-Dichlorobenzene	13.88	146	398362	107.937	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	36719	134.735	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	328760	120.616	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	276847	123.080	ug/L	99
69) Naphthalene	15.38	128	644870	138.461	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	242822	122.826	ug/L	99

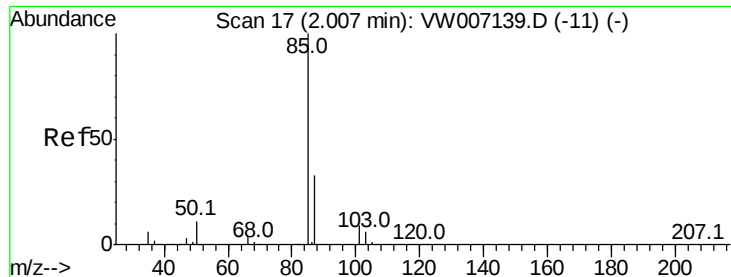
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 97.815 ug/L

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW007141.D

Acq: 30 Nov 2018 13:13

Instrument :

MSVOA_W

ClientSampleId :

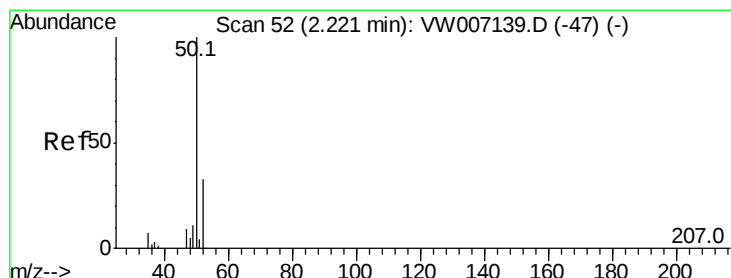
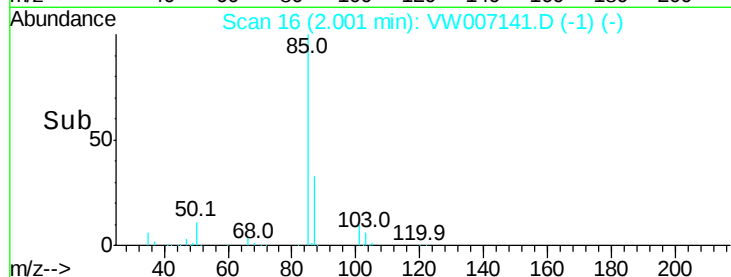
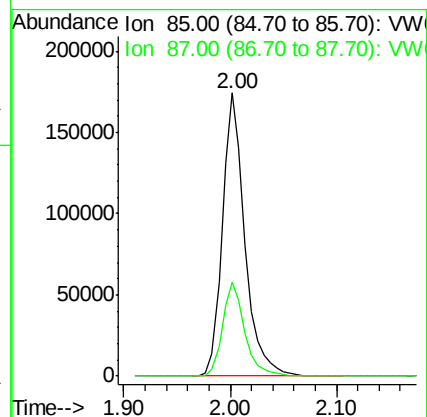
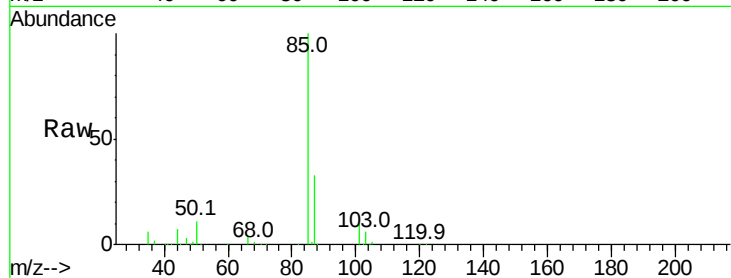
VSTD10085

Tgt Ion: 85 Resp: 254007

Ion Ratio Lower Upper

85 100

87 32.9 22.5 41.9



#3

Chloromethane

Concen: 112.511 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW007141.D

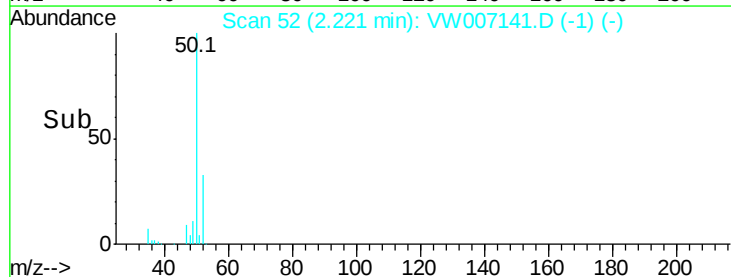
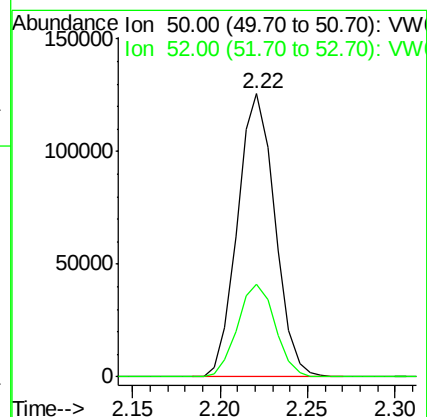
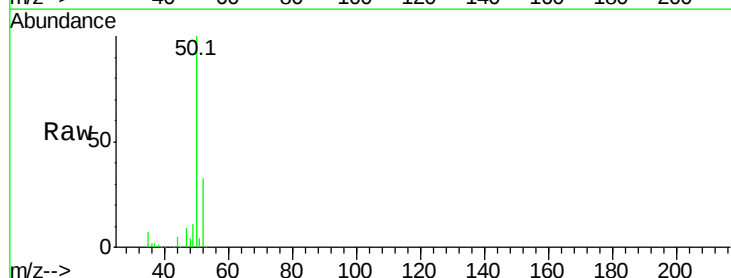
Acq: 30 Nov 2018 13:13

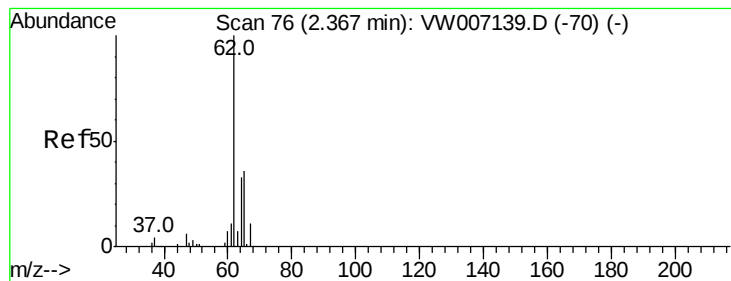
Tgt Ion: 50 Resp: 187089

Ion Ratio Lower Upper

50 100

52 32.7 23.0 42.6





#5

Vinyl chloride

Concen: 98.718 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW007141.D

Acq: 30 Nov 2018 13:13

Instrument :

MSVOA_W

ClientSampleId :

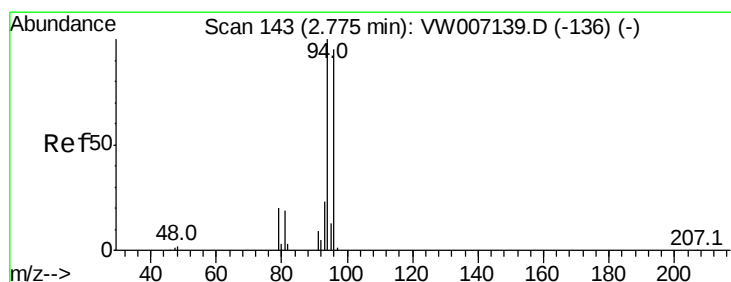
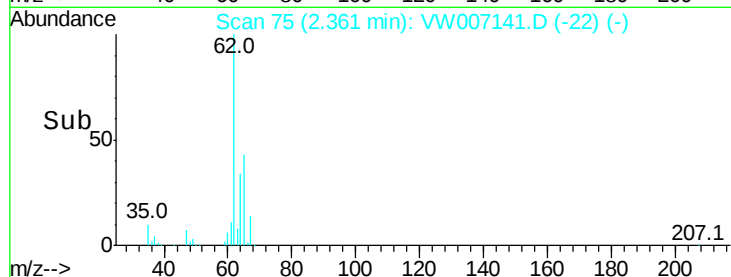
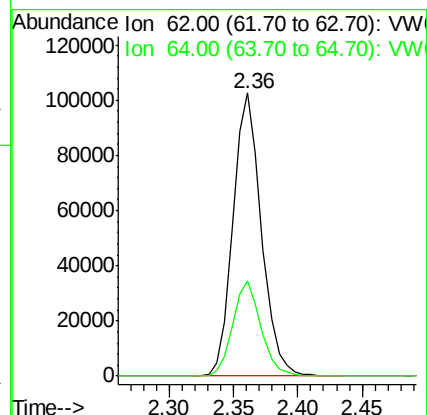
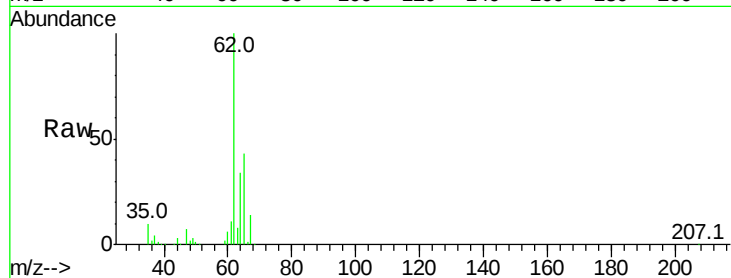
VSTD10085

Tgt Ion: 62 Resp: 158350

Ion Ratio Lower Upper

62 100

64 33.5 23.5 43.7



#6

Bromomethane

Concen: 113.440 ug/L

RT: 2.76 min Scan# 140

Delta R.T. -0.02 min

Lab File: VW007141.D

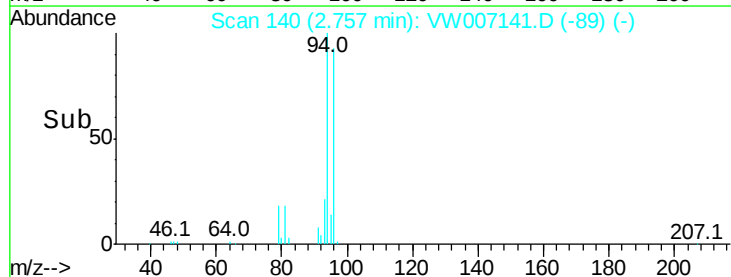
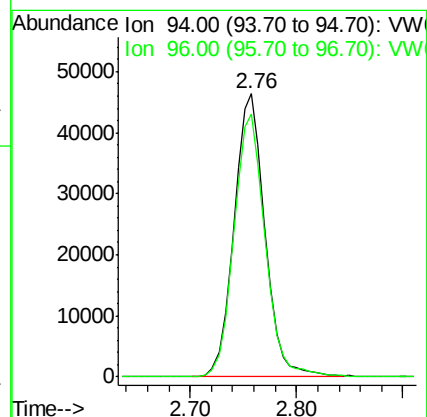
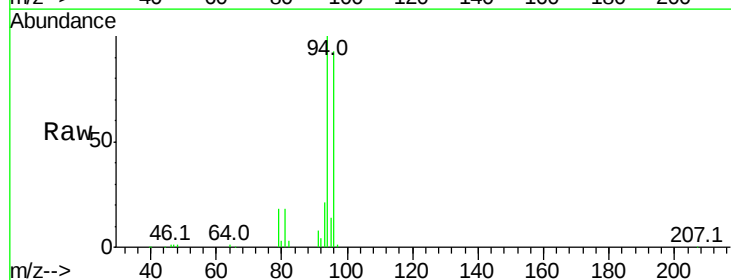
Acq: 30 Nov 2018 13:13

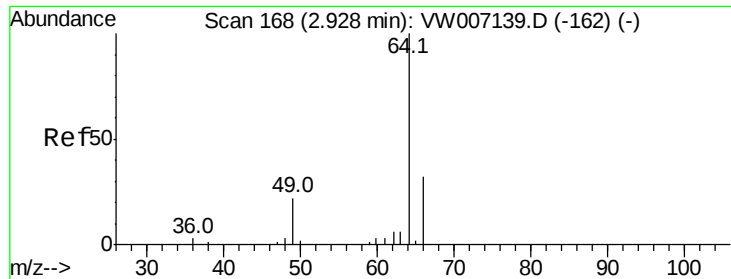
Tgt Ion: 94 Resp: 94139

Ion Ratio Lower Upper

94 100

96 94.1 9.3 176.7





#8

Chloroethane

Concen: 98.238 ug/L

RT: 2.91 min Scan# 165

Delta R.T. -0.02 min

Lab File: VW007141.D

Acq: 30 Nov 2018 13:13

Instrument :

MSVOA_W

ClientSampleId :

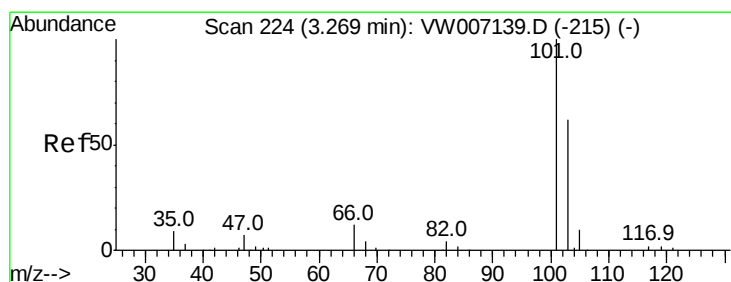
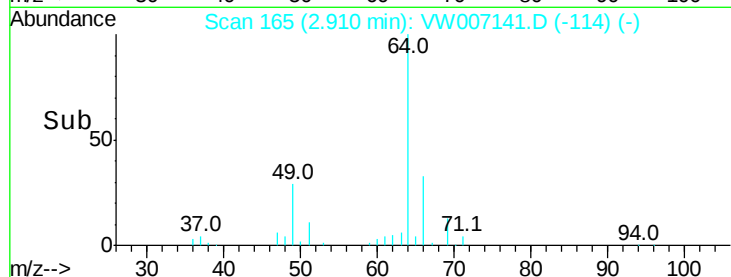
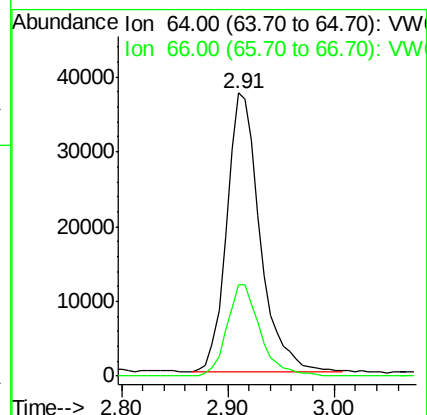
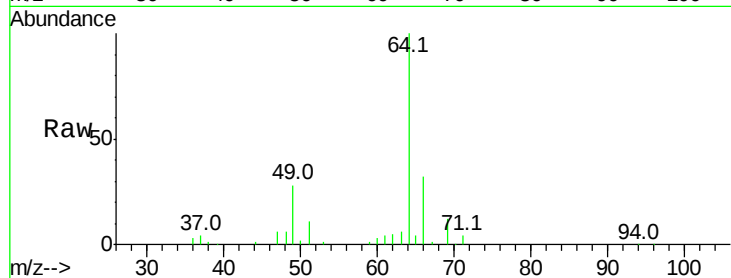
VSTD10085

Tgt Ion: 64 Resp: 81388

Ion Ratio Lower Upper

64 100

66 32.4 21.4 39.8



#9

Trichlorofluoromethane

Concen: 103.250 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.01 min

Lab File: VW007141.D

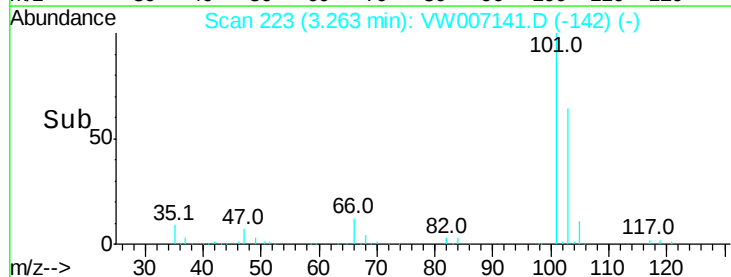
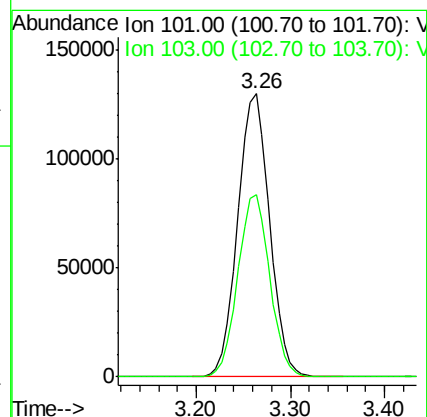
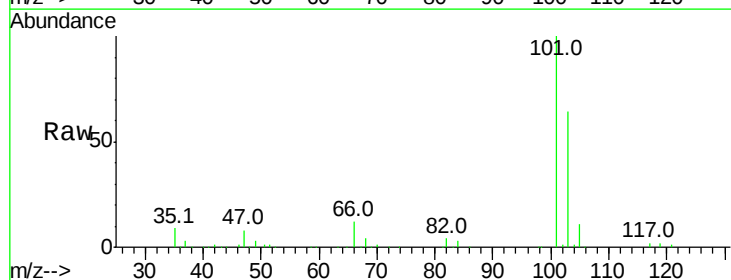
Acq: 30 Nov 2018 13:13

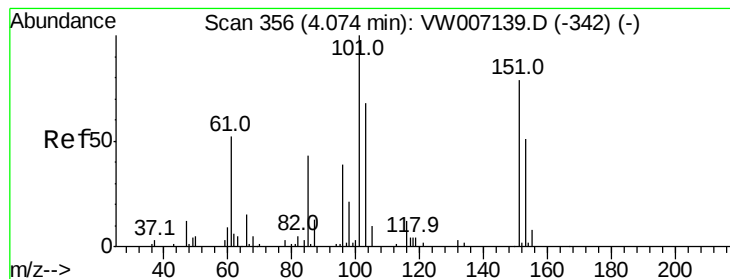
Tgt Ion: 101 Resp: 305432

Ion Ratio Lower Upper

101 100

103 64.5 44.4 82.4





#11

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

Concen: 98.938 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.01 min

Lab File: VW007141.D

Acq: 30 Nov 2018 13:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD10085

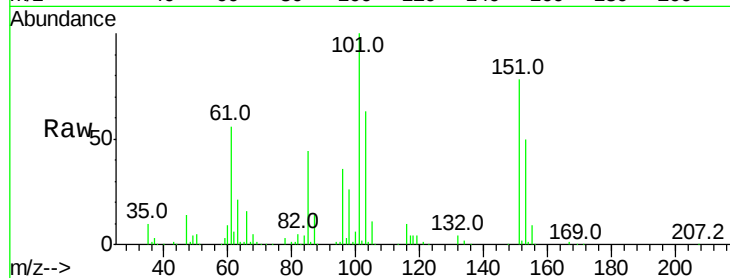
Tgt Ion:101 Resp: 178857

Ion Ratio Lower Upper

101 100

85 43.0 34.8 52.2

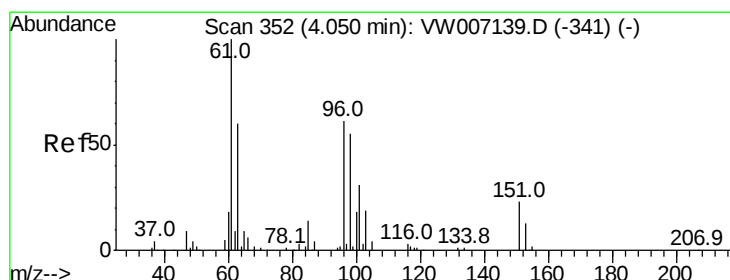
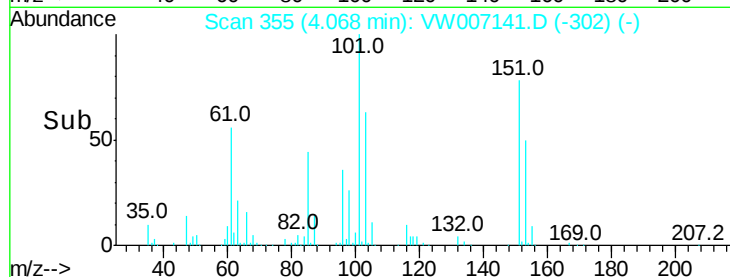
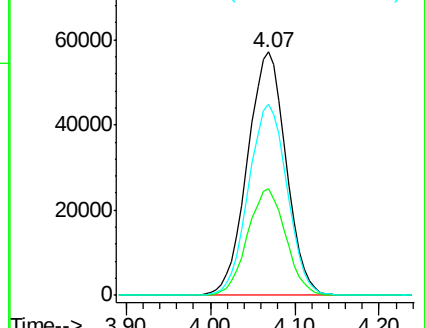
151 78.6 62.8 94.2



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: 105.716 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.01 min

Lab File: VW007141.D

Acq: 30 Nov 2018 13:13

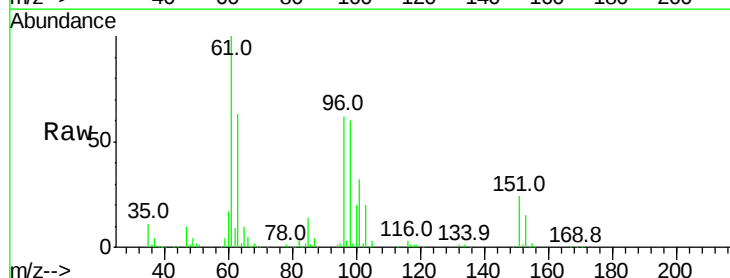
Tgt Ion: 96 Resp: 162232

Ion Ratio Lower Upper

96 100

61 160.4 114.9 213.5

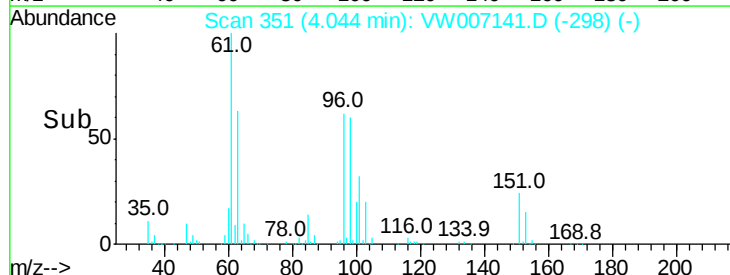
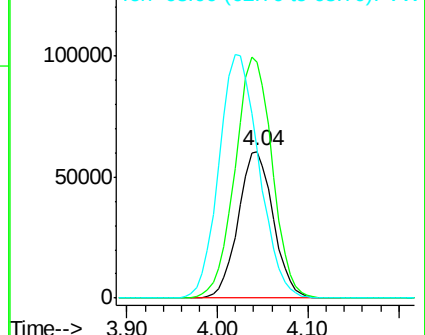
63 101.2 73.1 135.7

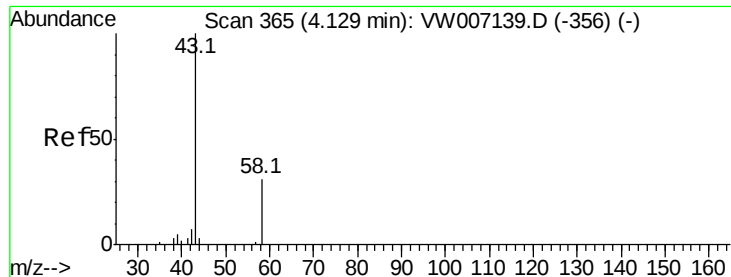


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 175.020 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

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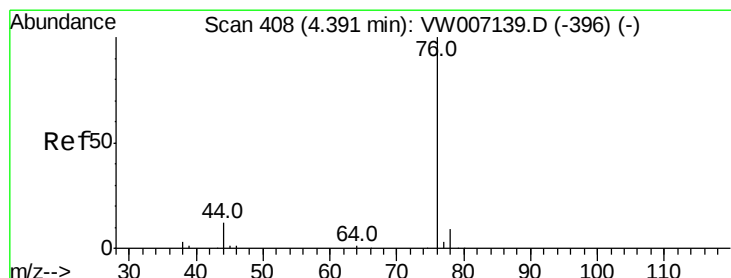
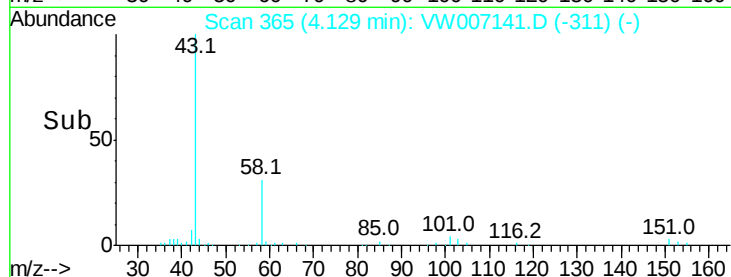
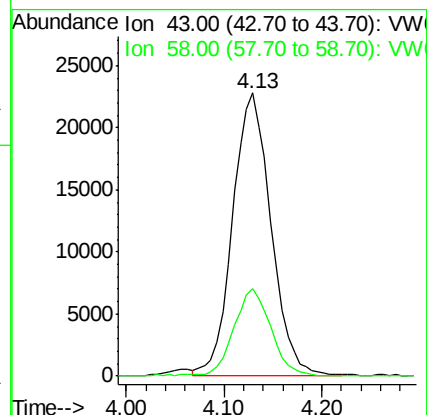
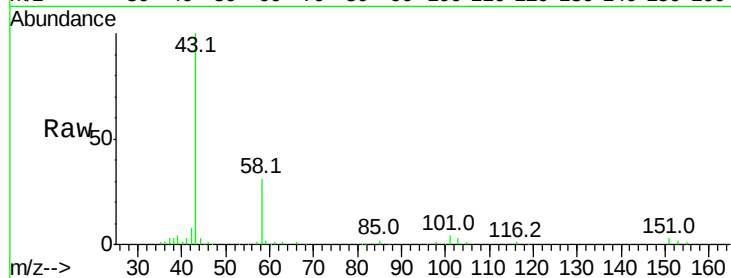
VSTD10085

Tgt Ion: 43 Resp: 62057

Ion Ratio Lower Upper

43 100

58 29.2 0.0 62.4



#14

Carbon disulfide

Concen: 113.527 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.01 min

Lab File: VW007141.D

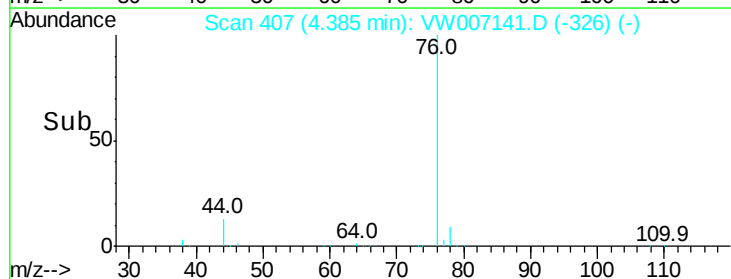
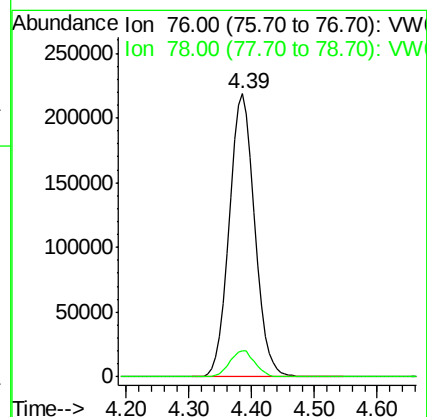
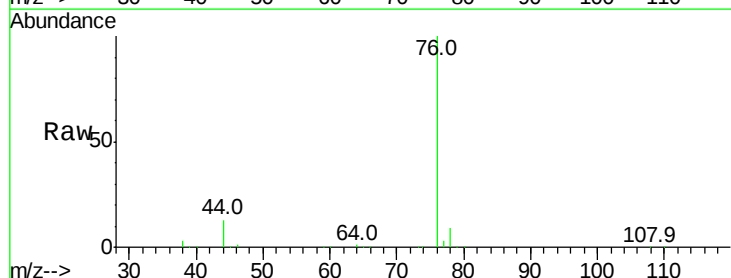
Acq: 30 Nov 2018 13:13

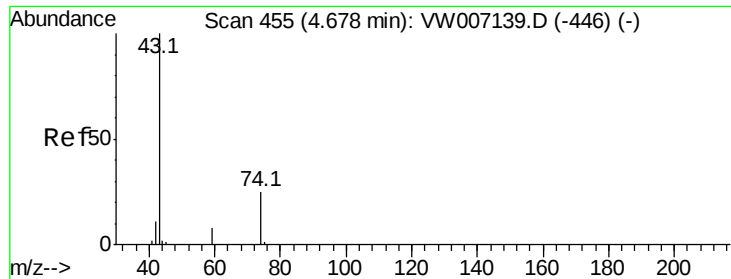
Tgt Ion: 76 Resp: 614317

Ion Ratio Lower Upper

76 100

78 9.1 6.9 10.3





#15

Methyl Acetate

Concen: 120.288 ug/L

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW007141.D

Acq: 30 Nov 2018 13:13

Instrument :

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ClientSampleId :

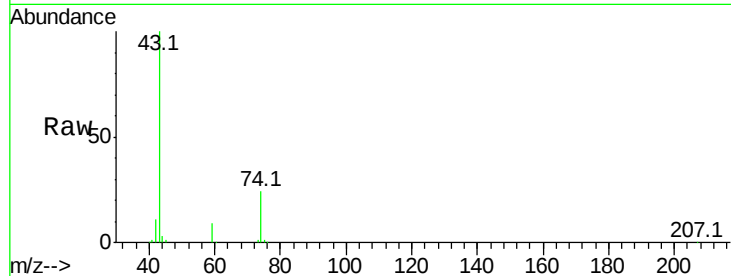
VSTD10085

Tgt Ion: 43 Resp: 96444

Ion Ratio Lower Upper

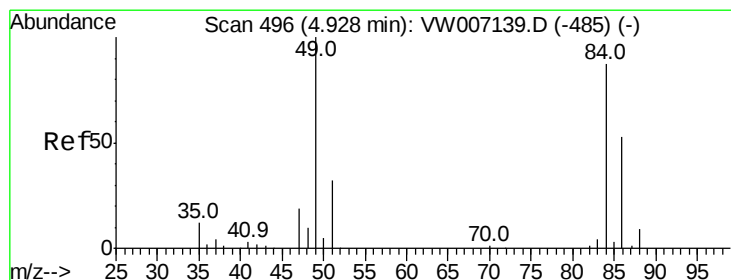
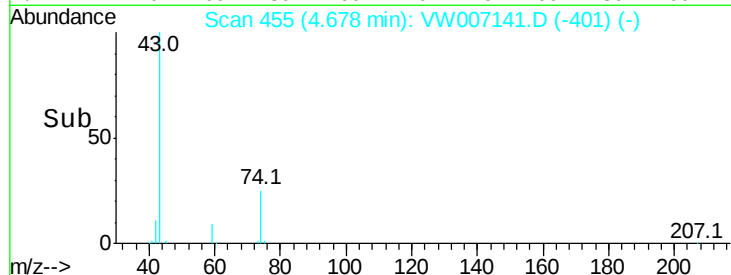
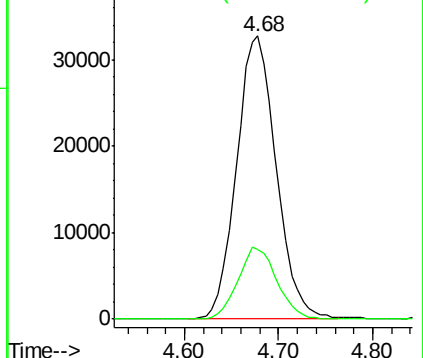
43 100

74 25.0 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 89.806 ug/L

RT: 4.92 min Scan# 495

Delta R.T. -0.01 min

Lab File: VW007141.D

Acq: 30 Nov 2018 13:13

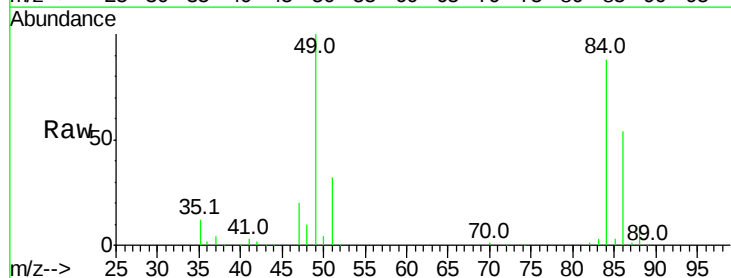
Tgt Ion: 84 Resp: 192254

Ion Ratio Lower Upper

84 100

49 114.1 80.9 150.3

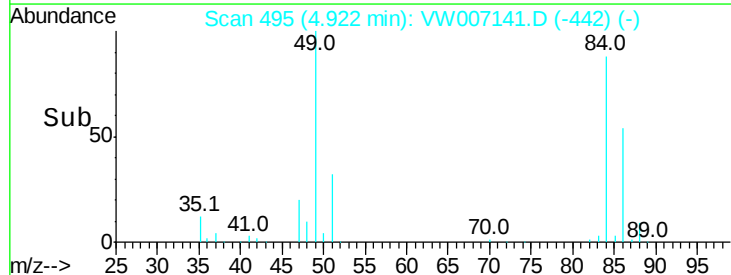
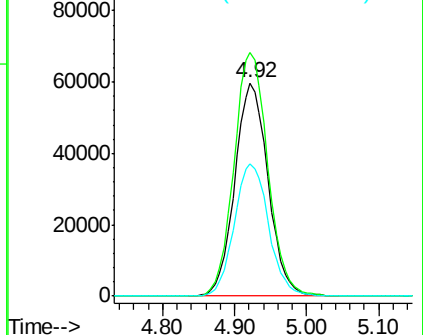
86 61.9 42.8 79.6

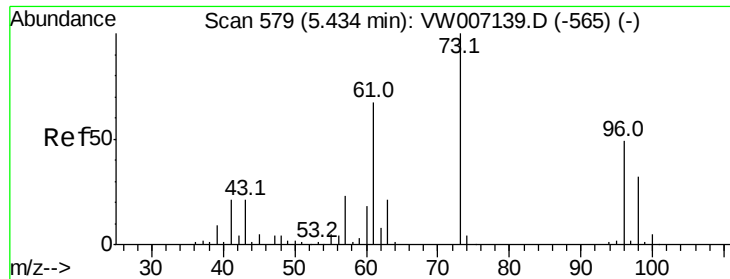


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

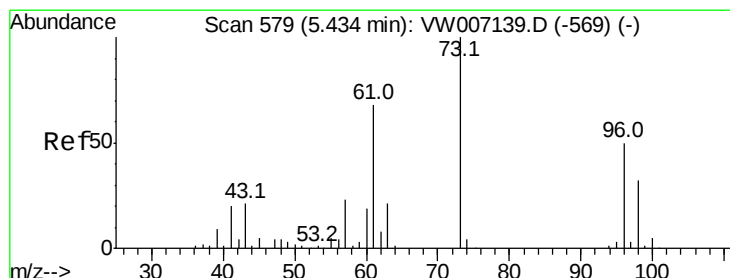
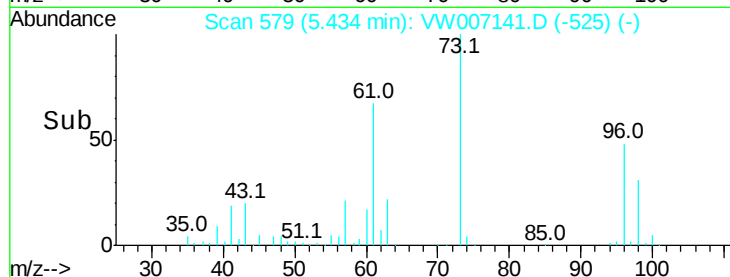
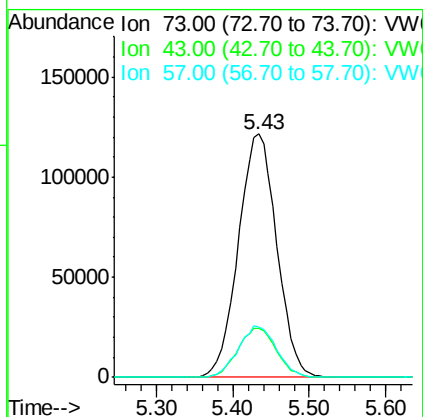
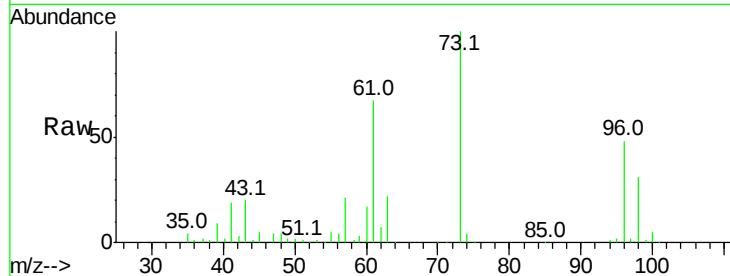




#17
Methyl tert-butyl Ether
Concen: 102.421 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.00 min
Lab File: VW007141.D
Acq: 30 Nov 2018 13:13

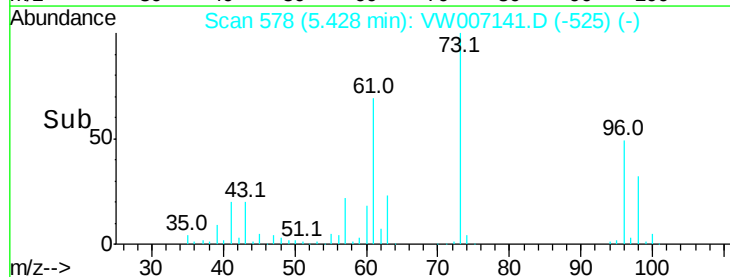
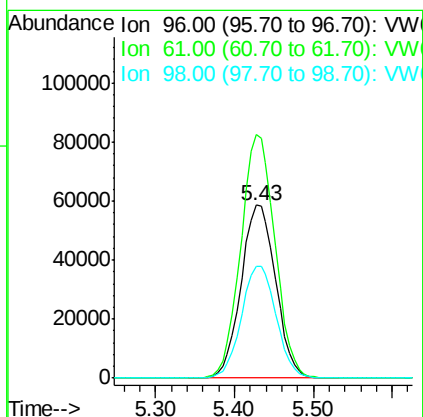
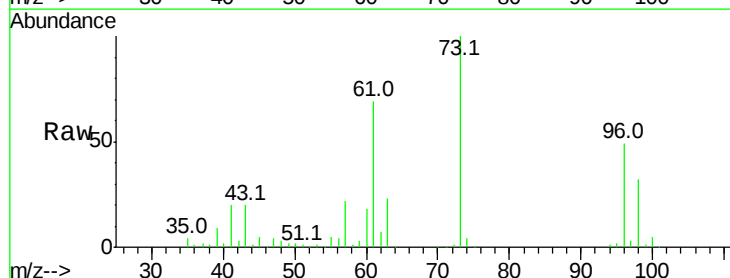
Instrument :
MSVOA_W
ClientSampleId :
VSTD10085

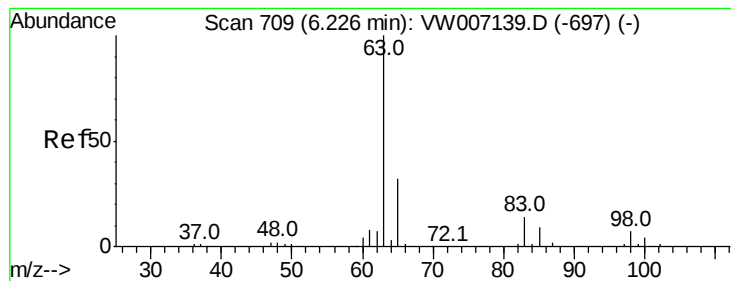
Tgt Ion: 73 Resp: 423437
Ion Ratio Lower Upper
73 100
43 20.4 16.3 24.5
57 21.1 17.4 26.0



#18
trans-1,2-Dichloroethene
Concen: 103.358 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW007141.D
Acq: 30 Nov 2018 13:13

Tgt Ion: 96 Resp: 179096
Ion Ratio Lower Upper
96 100
61 140.7 94.8 176.2
98 64.5 44.9 83.5





#19

1,1-Dichloroethane

Concen: 105.958 ug/L

RT: 6.23 min Scan# 709

Delta R.T. 0.00 min

Lab File: VW007141.D

Acq: 30 Nov 2018 13:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD10085

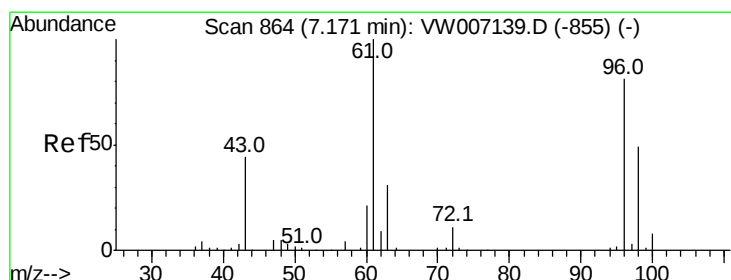
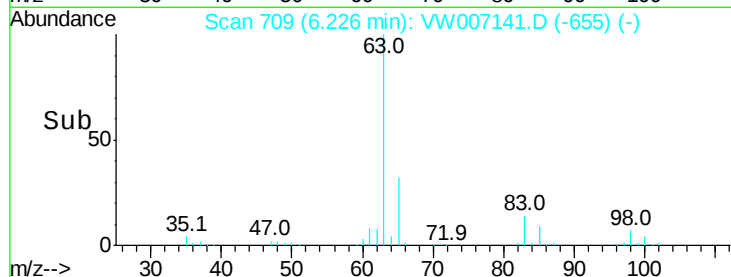
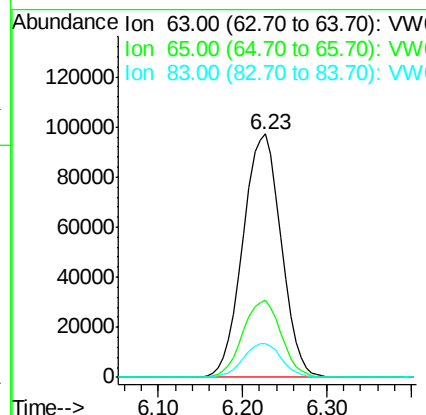
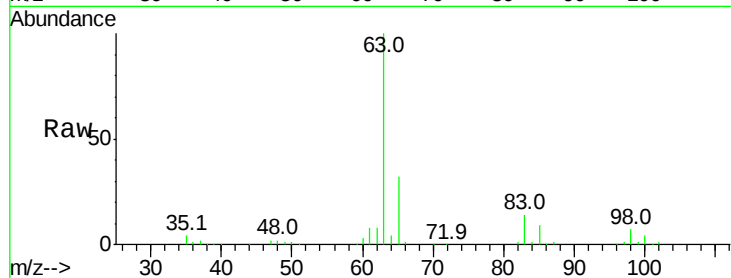
Tgt Ion: 63 Resp: 300330

Ion Ratio Lower Upper

63 100

65 31.9 22.4 41.6

83 14.0 9.7 17.9



#21

2-Butanone

Concen: 192.783 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW007141.D

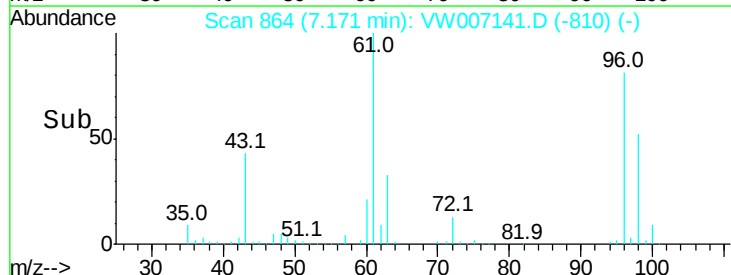
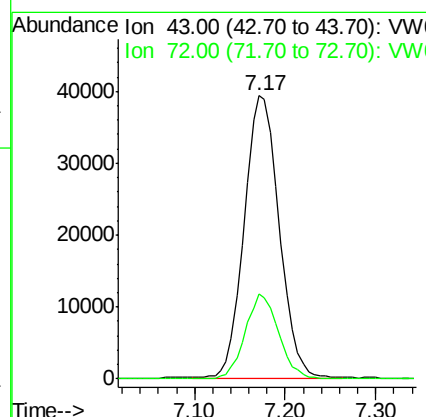
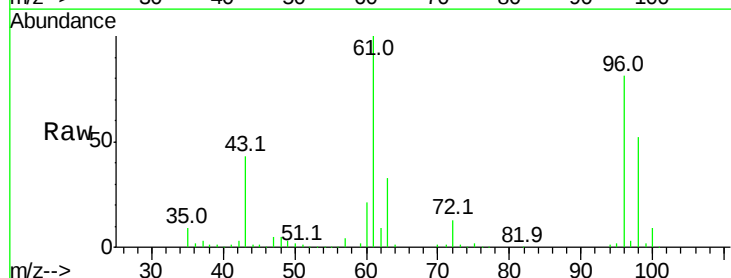
Acq: 30 Nov 2018 13:13

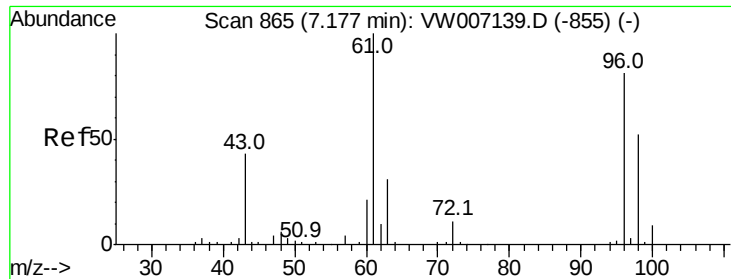
Tgt Ion: 43 Resp: 105828

Ion Ratio Lower Upper

43 100

72 28.5 13.5 40.5



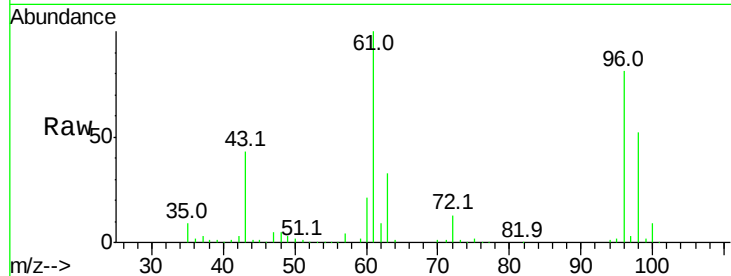


#22

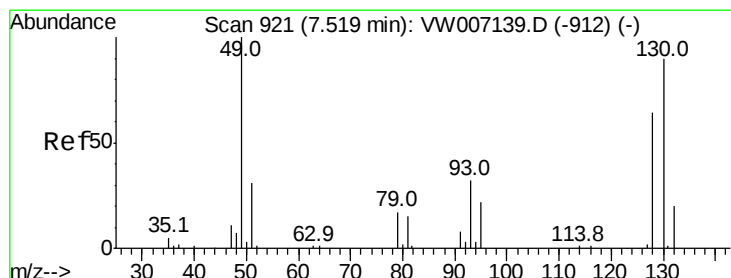
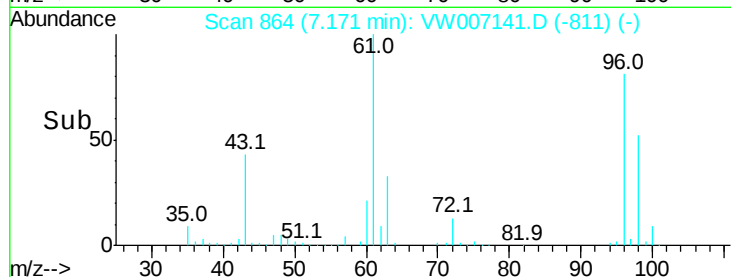
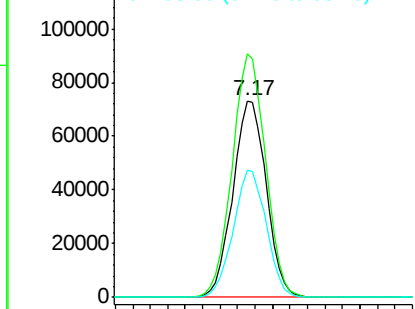
cis-1,2-Dichloroethene
Concen: 107.115 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.01 min
Lab File: VW007141.D
Acq: 30 Nov 2018 13:13

Instrument :
MSVOA_W
ClientSampleId :
VSTD10085

Tgt Ion: 96 Resp: 194201
Ion Ratio Lower Upper
96 100
61 123.9 87.3 162.1
98 64.5 45.2 84.0



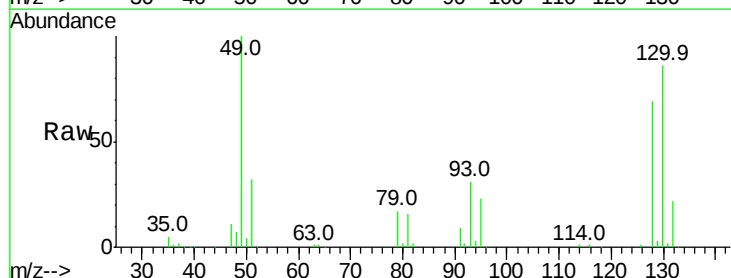
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



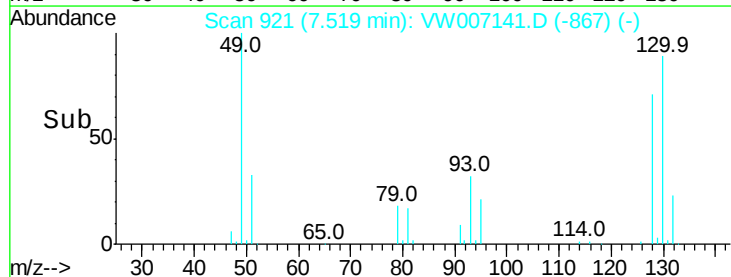
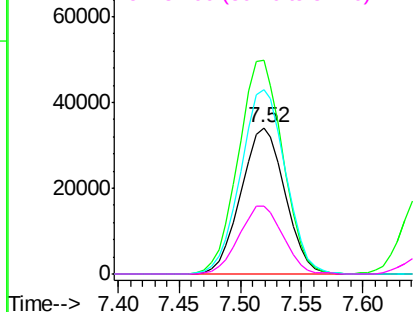
#23

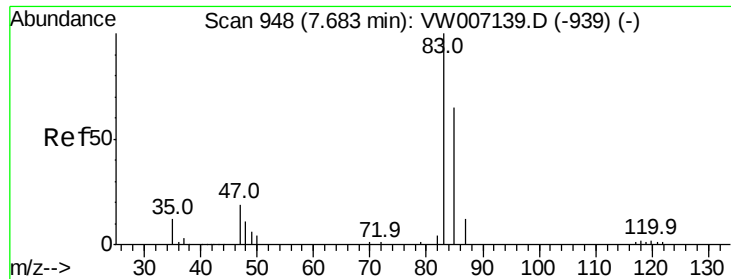
Bromochloromethane
Concen: 109.107 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.00 min
Lab File: VW007141.D
Acq: 30 Nov 2018 13:13

Tgt Ion: 128 Resp: 85497
Ion Ratio Lower Upper
128 100
49 145.7 109.9 204.1
130 125.4 98.2 182.4
51 46.6 39.0 58.4



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

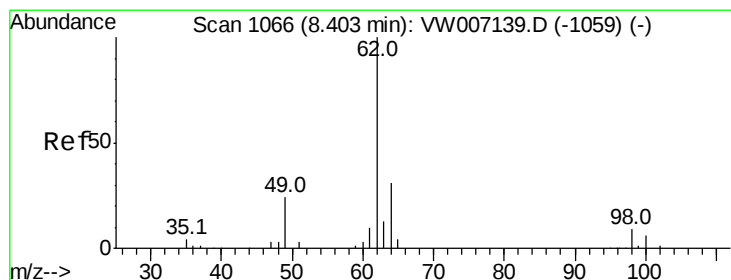
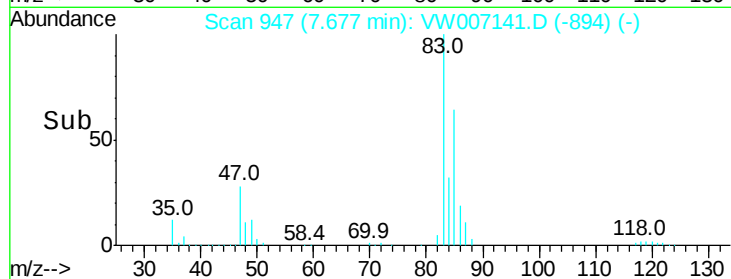
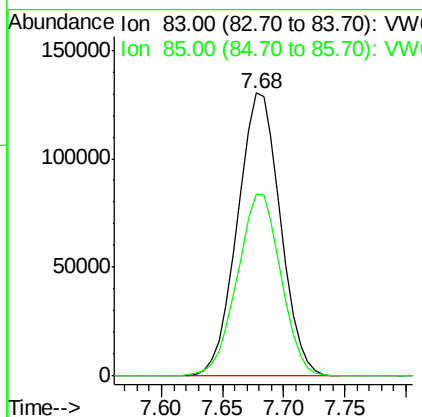
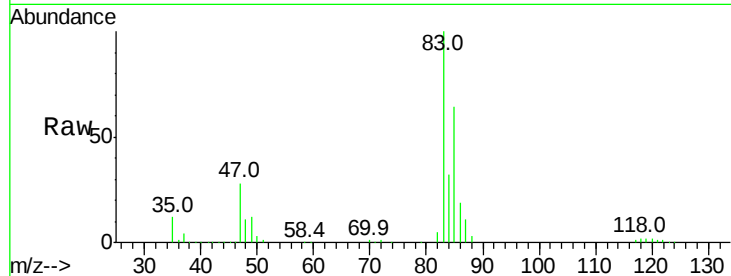




#25
Chloroform
Concen: 89.507 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.01 min
Lab File: VW007141.D
Acq: 30 Nov 2018 13:13

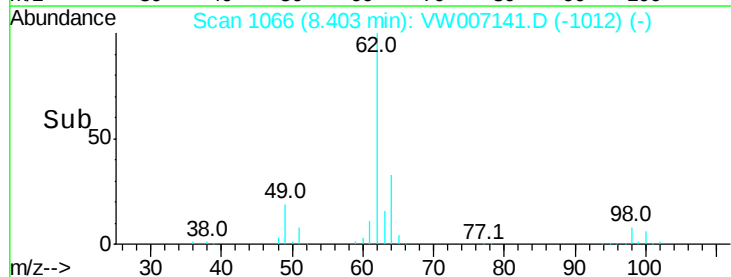
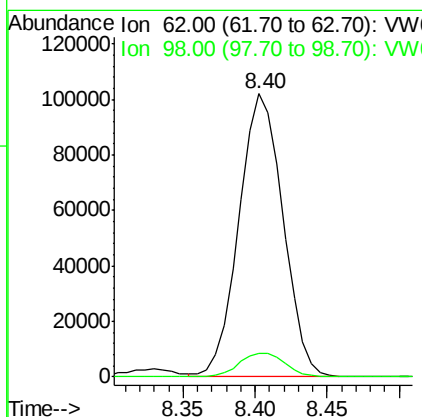
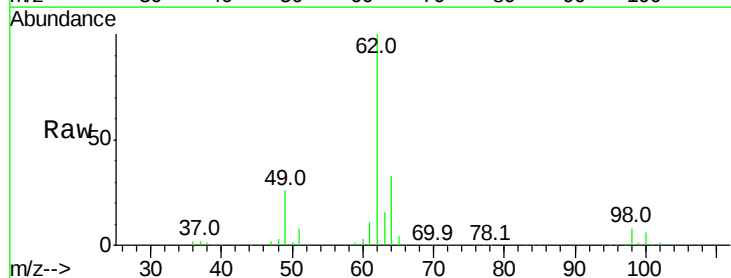
Instrument :
MSVOA_W
ClientSampleId :
VSTD10085

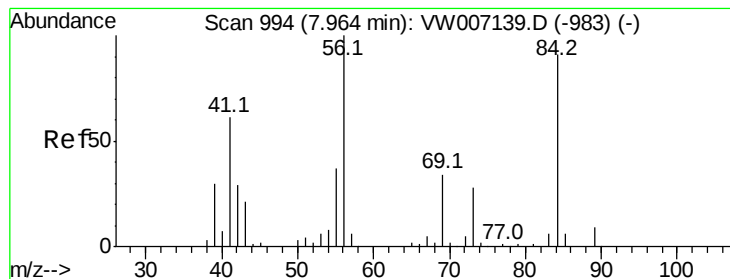
Tgt Ion: 83 Resp: 317782
Ion Ratio Lower Upper
83 100
85 65.6 46.1 85.7



#27
1,2-Dichloroethane
Concen: 104.242 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW007141.D
Acq: 30 Nov 2018 13:13

Tgt Ion: 62 Resp: 216029
Ion Ratio Lower Upper
62 100
98 8.3 7.4 11.2





#30

Cyclohexane

Concen: 101.397 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.01 min

Lab File: VW007141.D

Acq: 30 Nov 2018 13:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD10085

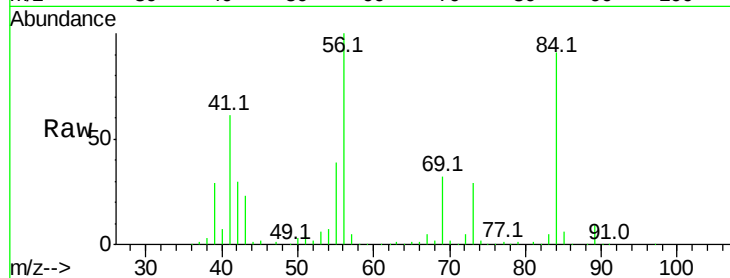
Tgt Ion: 56 Resp: 299377

Ion Ratio Lower Upper

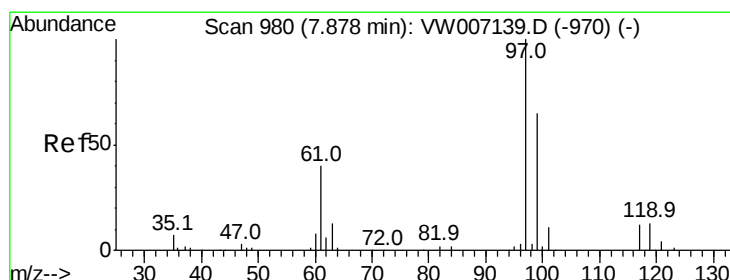
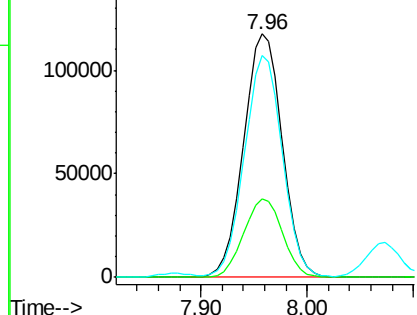
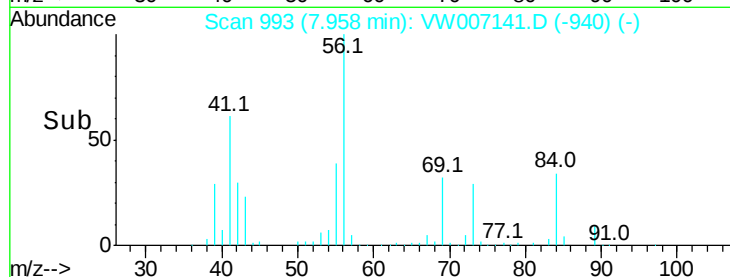
56 100

69 32.4 26.1 39.1

84 90.0 73.0 109.4



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#31

1,1,1-Trichloroethane

Concen: 100.822 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW007141.D

Acq: 30 Nov 2018 13:13

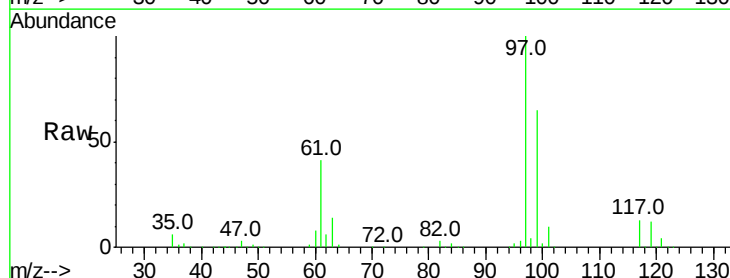
Tgt Ion: 97 Resp: 285878

Ion Ratio Lower Upper

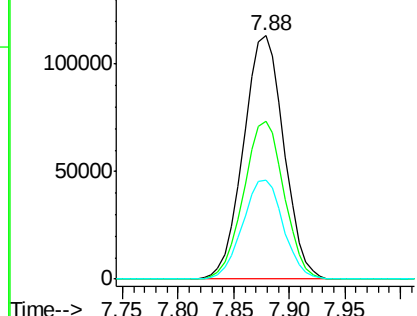
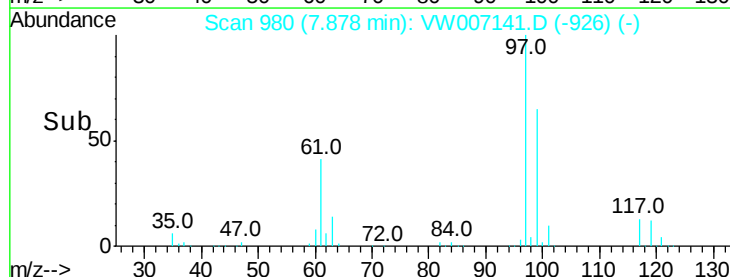
97 100

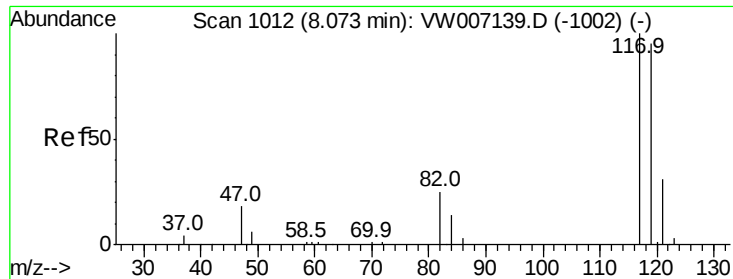
99 64.8 51.9 77.9

61 41.1 33.4 50.0



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: 101.271 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW007141.D

Acq: 30 Nov 2018 13:13

Instrument :

MSVOA_W

ClientSampled :

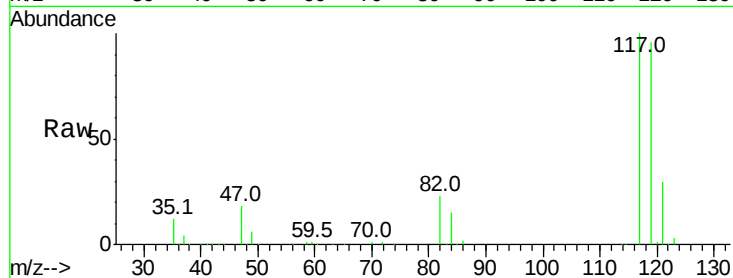
VSTD10085

Tgt Ion:117 Resp: 259398

Ion Ratio Lower Upper

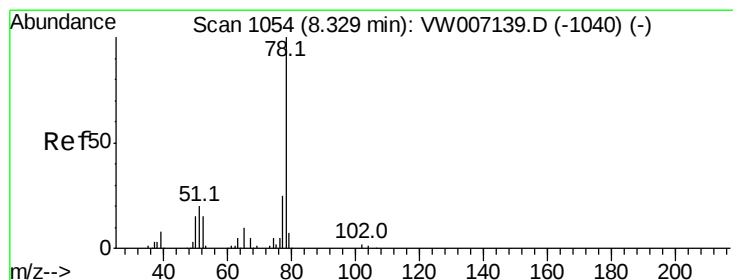
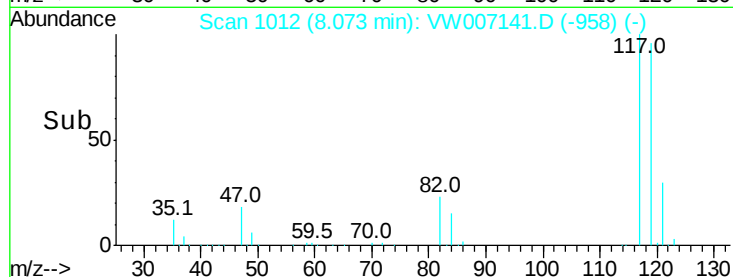
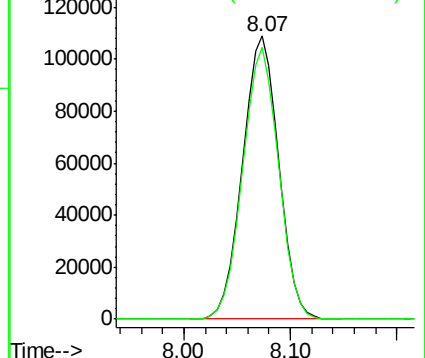
117 100

119 95.5 75.5 113.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 111.051 ug/L

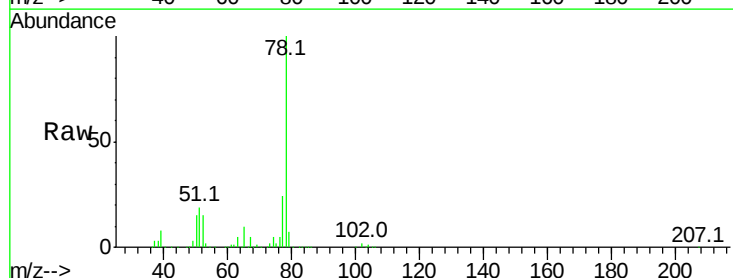
RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

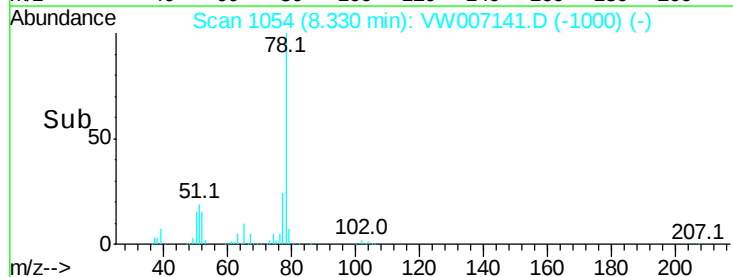
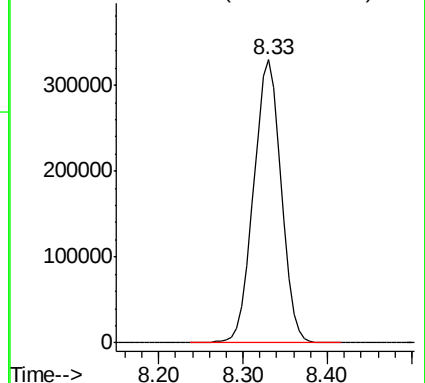
Lab File: VW007141.D

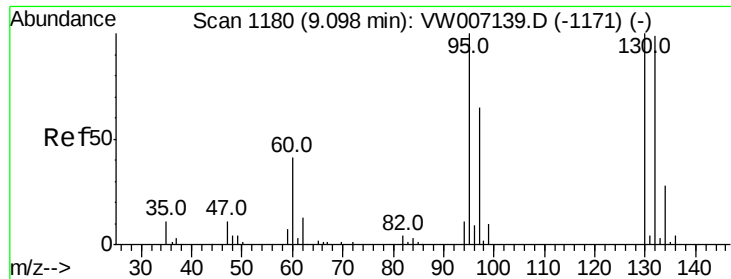
Acq: 30 Nov 2018 13:13

Tgt Ion: 78 Resp: 732293



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 107.389 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW007141.D

Acq: 30 Nov 2018 13:13

Instrument :

MSVOA_W

ClientSampled :

VSTD10085

Tgt Ion: 95 Resp: 197879

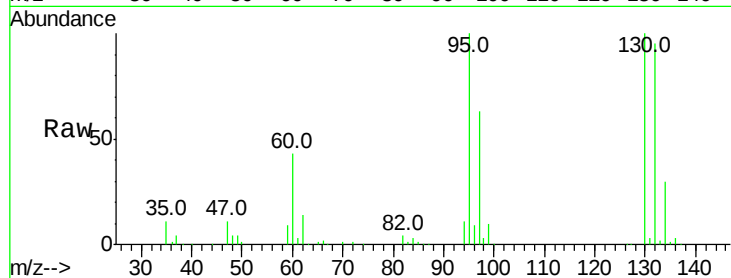
Ion Ratio Lower Upper

95 100

97 63.9 44.7 83.1

132 96.5 68.2 126.6

130 100.8 70.9 131.7



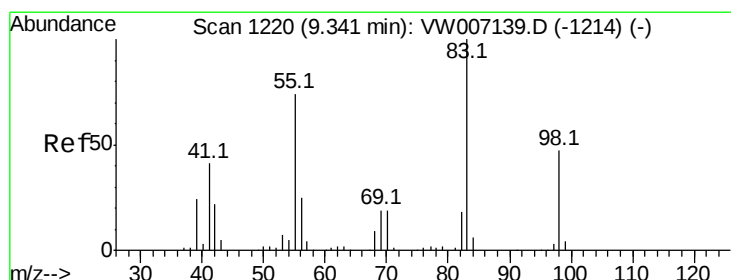
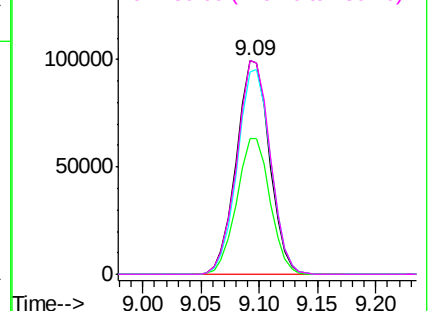
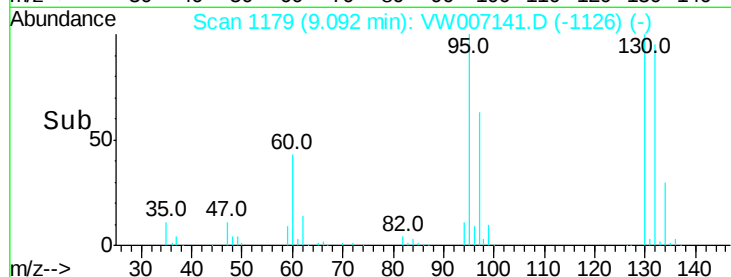
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 110.585 ug/L

RT: 9.34 min Scan# 1220

Delta R.T. 0.00 min

Lab File: VW007141.D

Acq: 30 Nov 2018 13:13

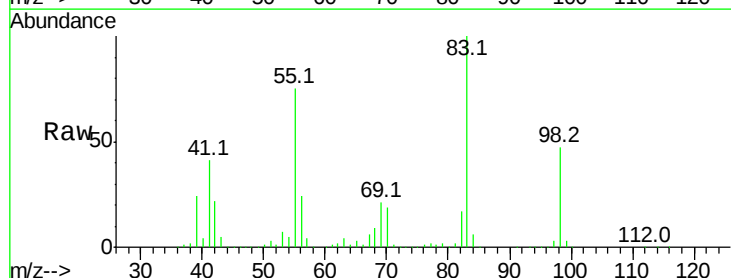
Tgt Ion: 83 Resp: 362363

Ion Ratio Lower Upper

83 100

55 74.3 60.2 90.4

98 47.5 38.8 58.2

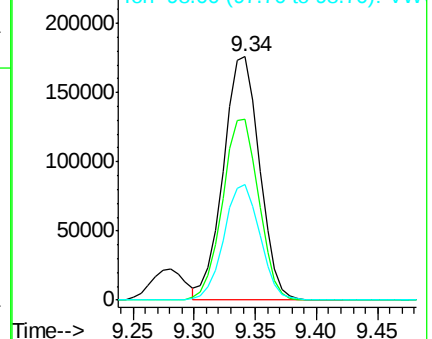
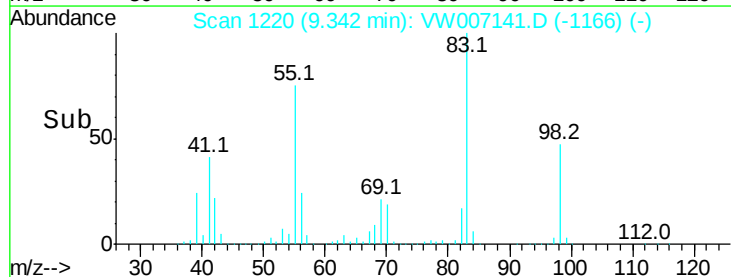


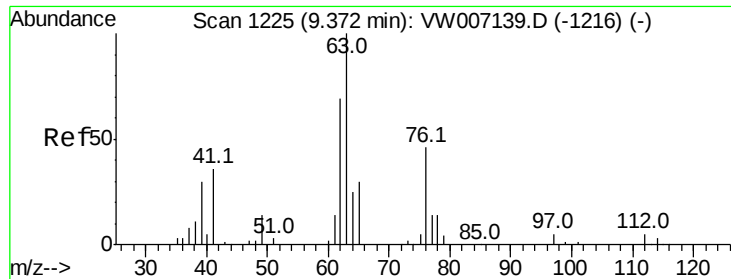
Abundance

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

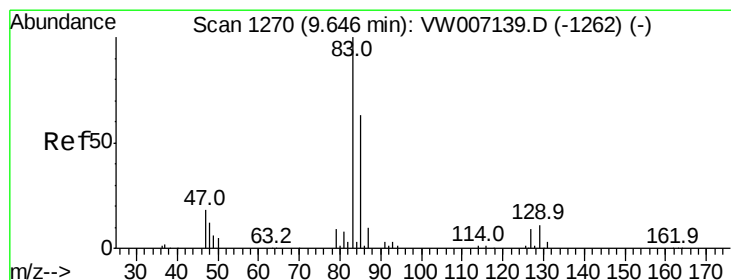
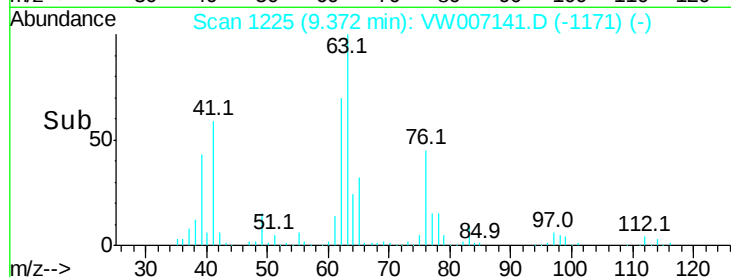
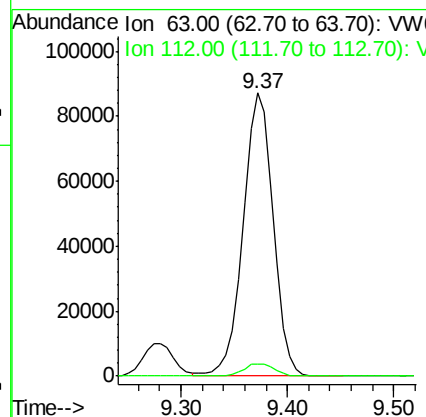
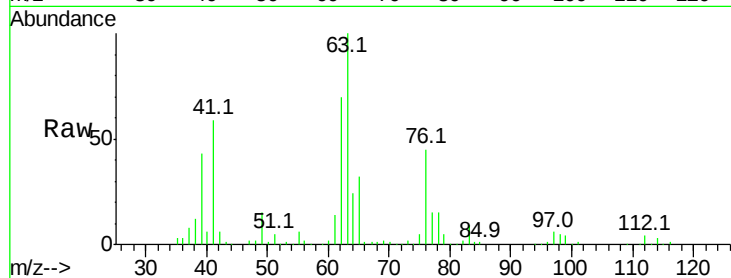




#40
 1,2-Dichloropropane
 Concen: 105.734 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW007141.D
 Acq: 30 Nov 2018 13:13

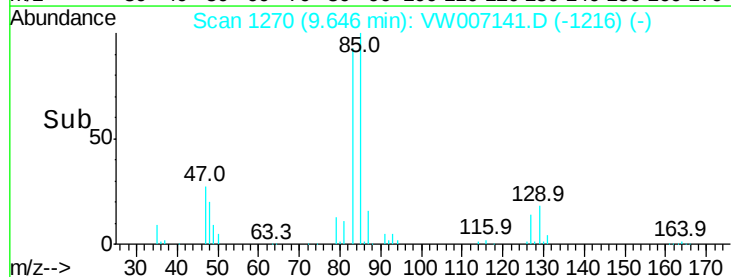
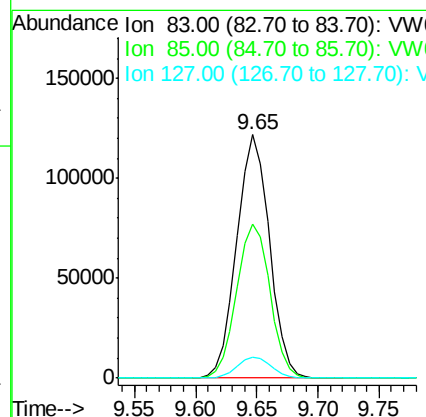
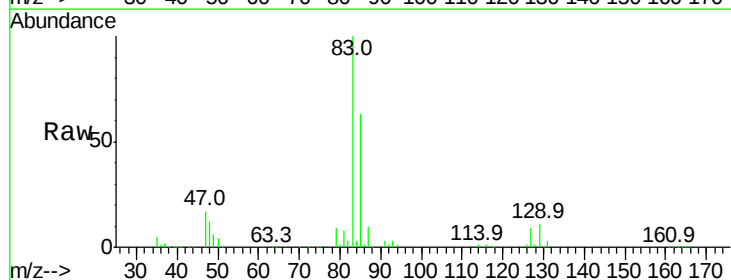
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10085

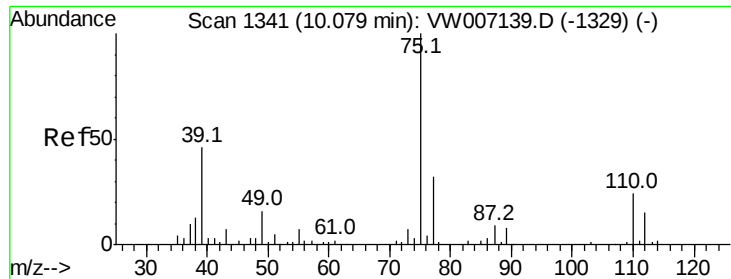
Tgt Ion: 63 Resp: 172713
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.4 5.2



#41
 Bromodichloromethane
 Concen: 103.506 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW007141.D
 Acq: 30 Nov 2018 13:13

Tgt Ion: 83 Resp: 226040
 Ion Ratio Lower Upper
 83 100
 85 63.2 43.9 81.5
 127 8.5 7.1 10.7





#42

cis-1,3-Dichloropropene

Concen: 109.206 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VW007141.D

Acq: 30 Nov 2018 13:13

Instrument :

MSVOA_W

ClientSampleId :

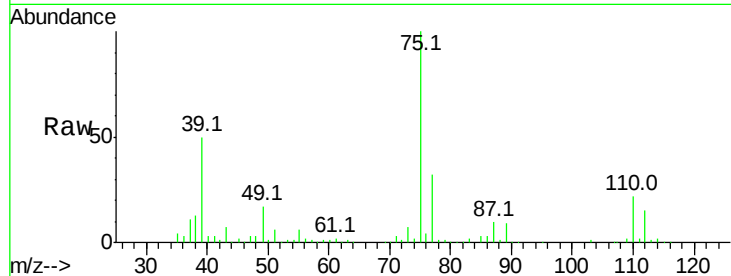
VSTD10085

Tgt Ion: 75 Resp: 284802

Ion Ratio Lower Upper

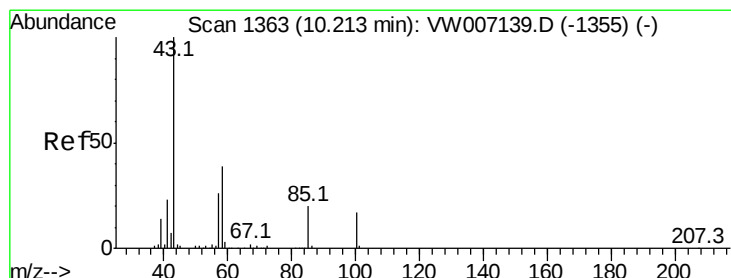
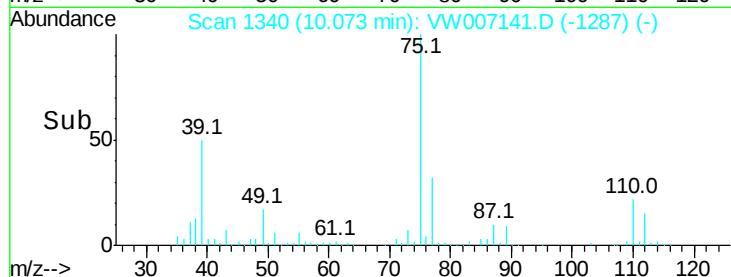
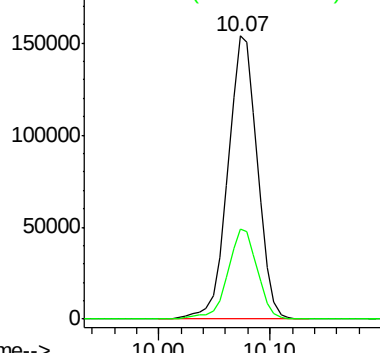
75 100

77 31.7 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#43

4-Methyl-2-pentanone

Concen: 251.776 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW007141.D

Acq: 30 Nov 2018 13:13

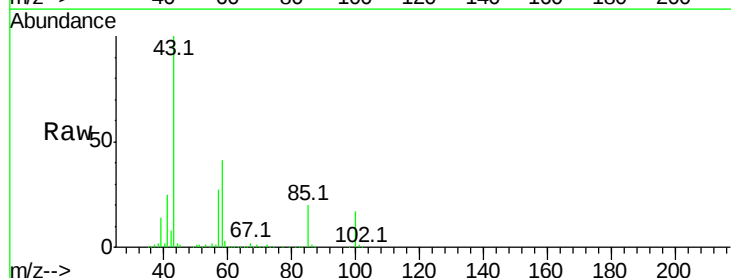
Tgt Ion: 43 Resp: 265949

Ion Ratio Lower Upper

43 100

58 40.1 31.4 47.2

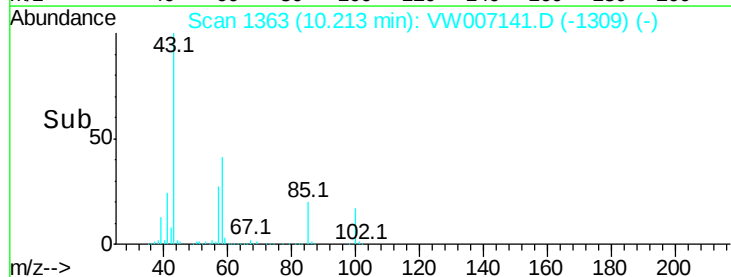
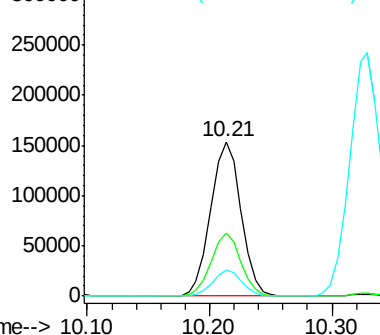
100 16.5 13.1 19.7

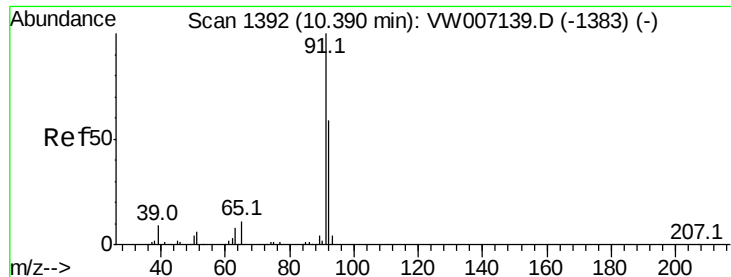


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW





#44

Toluene

Concen: 107.411 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007141.D

Acq: 30 Nov 2018 13:13

Instrument :

MSVOA_W

ClientSampleId :

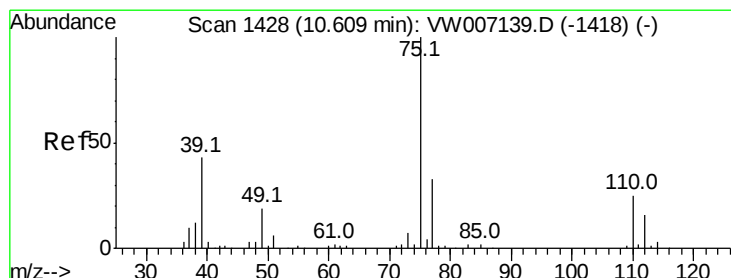
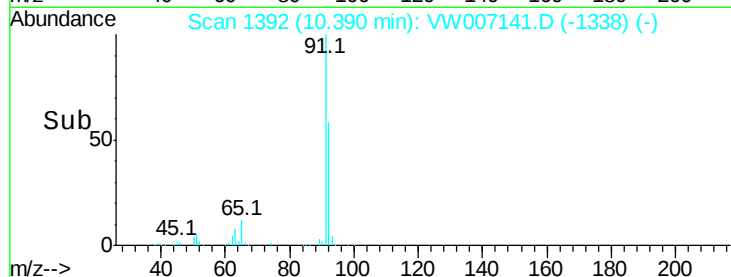
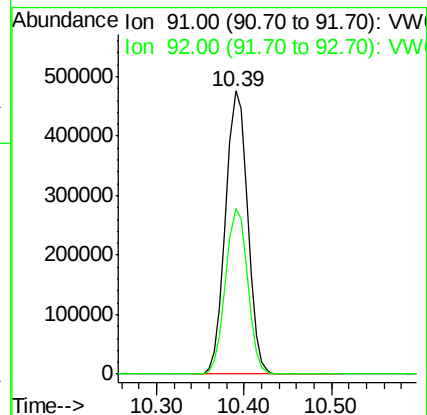
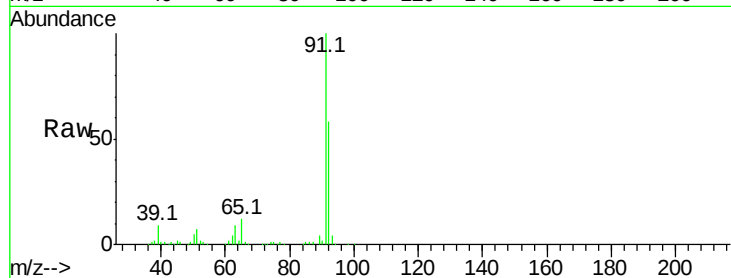
VSTD10085

Tgt Ion: 91 Resp: 834792

Ion Ratio Lower Upper

91 100

92 58.4 41.2 76.6



#45

trans-1,3-Dichloropropene

Concen: 115.303 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW007141.D

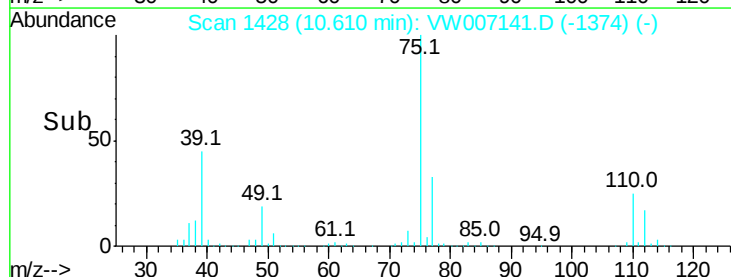
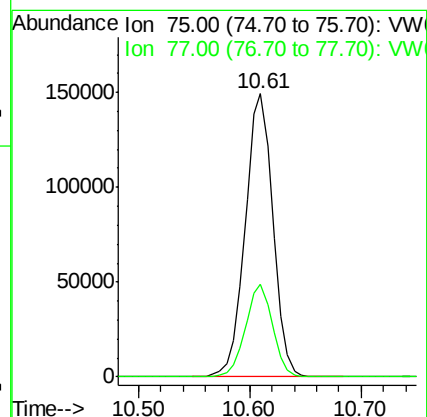
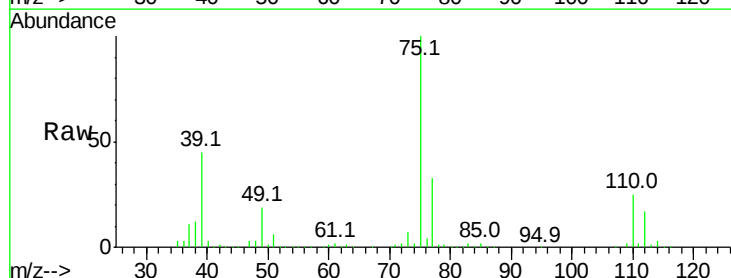
Acq: 30 Nov 2018 13:13

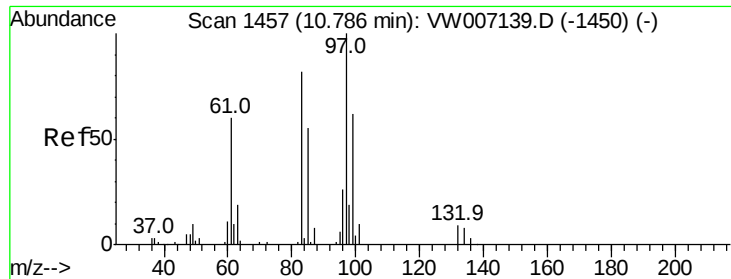
Tgt Ion: 75 Resp: 257411

Ion Ratio Lower Upper

75 100

77 32.7 23.2 43.2





#46

1,1,2-Trichloroethane

Concen: 111.725 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.01 min

Lab File: VW007141.D

Acq: 30 Nov 2018 13:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD10085

Tgt Ion: 97 Resp: 138763

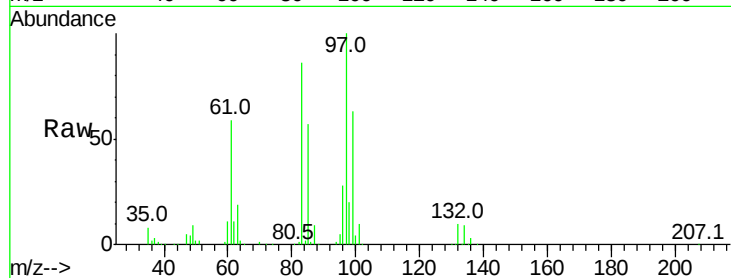
Ion Ratio Lower Upper

97 100

83 86.2 57.1 106.1

85 56.5 38.6 71.8

99 63.4 43.4 80.6

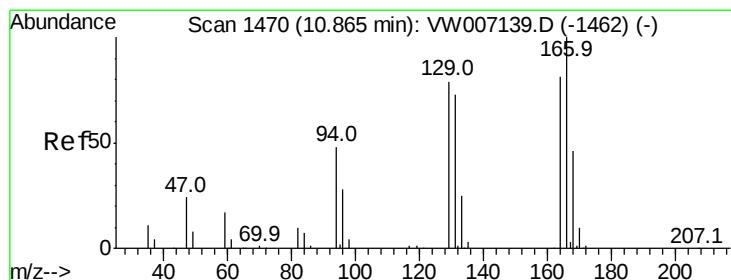
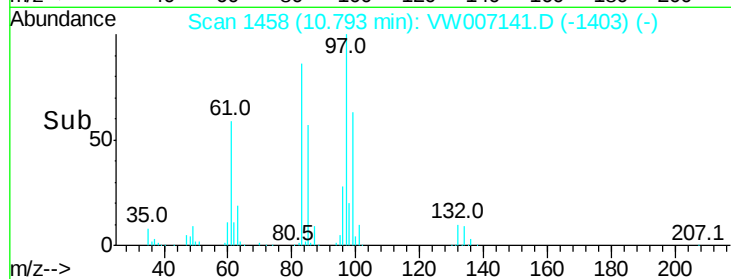
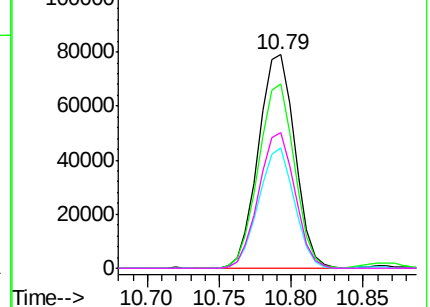


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 108.072 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW007141.D

Acq: 30 Nov 2018 13:13

Tgt Ion: 164 Resp: 164051

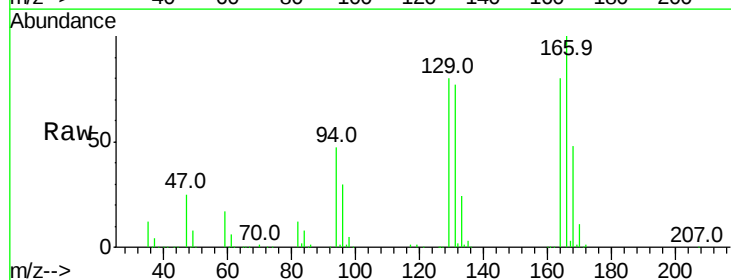
Ion Ratio Lower Upper

164 100

129 100.2 68.5 127.3

131 96.3 63.3 117.7

166 125.1 86.6 160.8

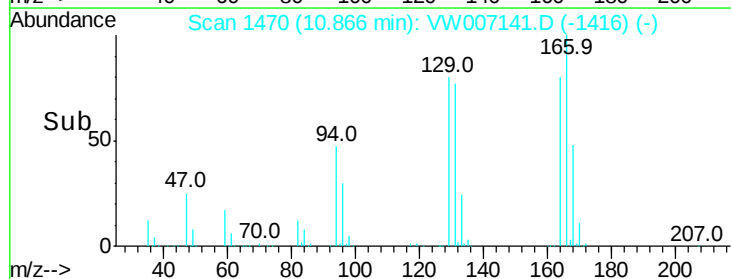
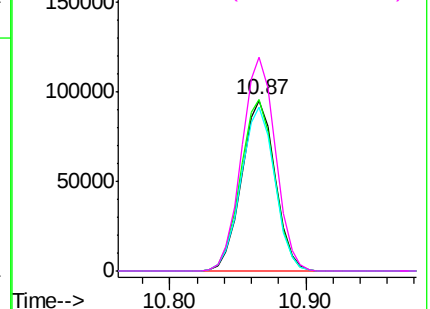


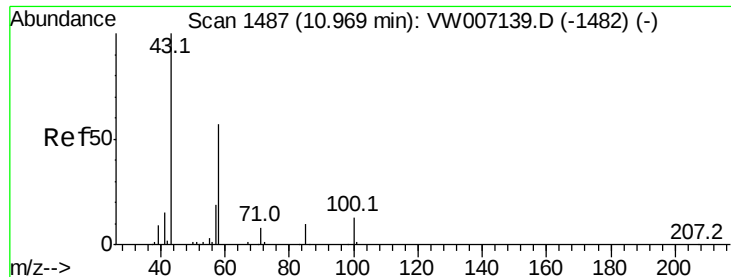
Abundance Ion 164.00 (163.70 to 164.70): V

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

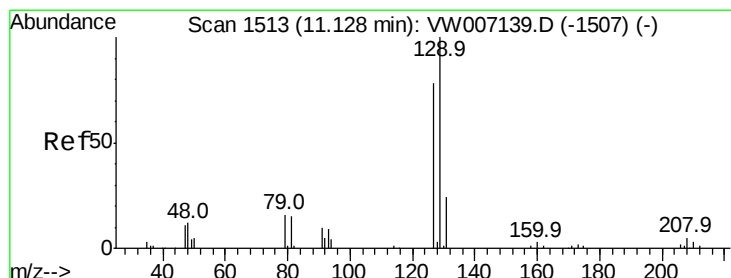
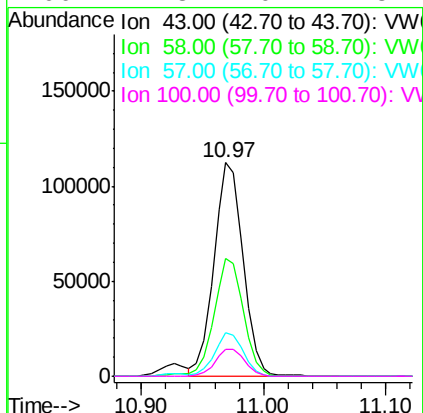
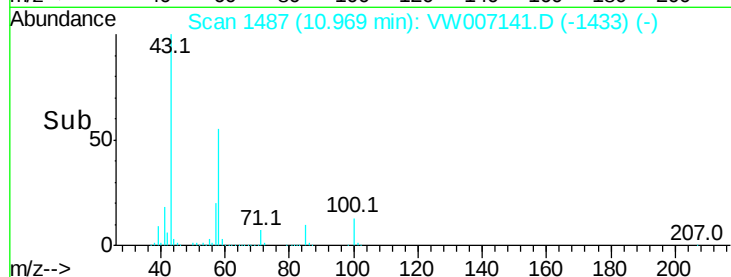
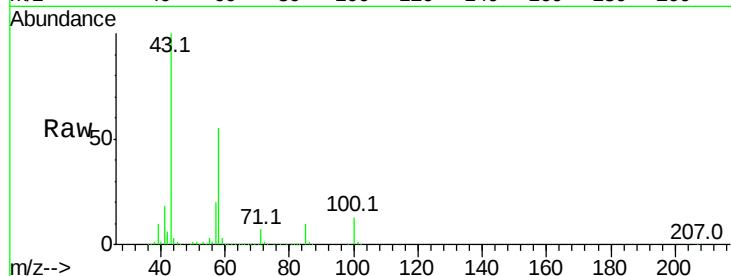




#49
2-Hexanone
Concen: 235.167 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW007141.D
Acq: 30 Nov 2018 13:13

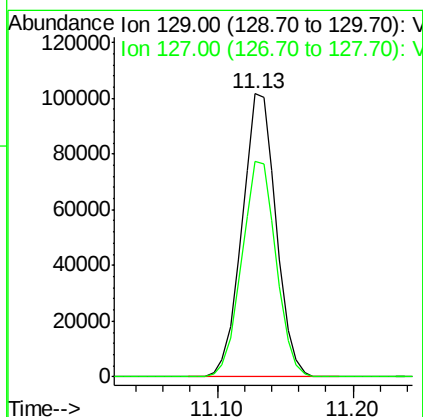
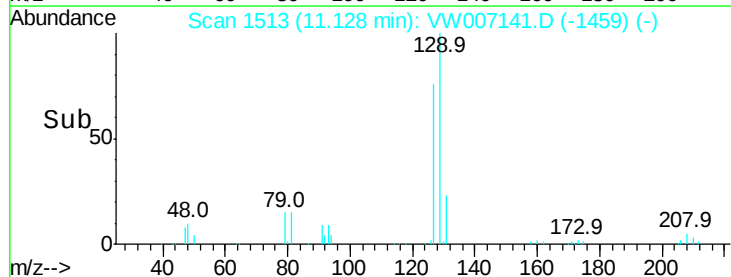
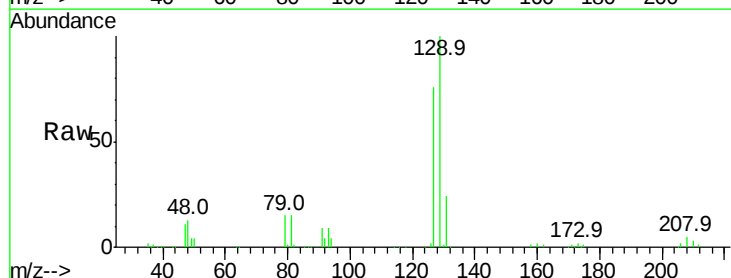
Instrument :
MSVOA_W
ClientSampleId :
VSTD10085

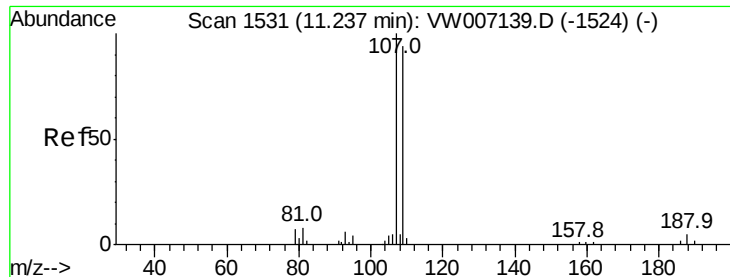
Tgt Ion: 43 Resp: 187203
Ion Ratio Lower Upper
43 100
58 54.5 44.2 66.2
57 20.1 16.3 24.5
100 12.8 10.1 15.1



#50
Dibromochloromethane
Concen: 116.396 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW007141.D
Acq: 30 Nov 2018 13:13

Tgt Ion: 129 Resp: 177104
Ion Ratio Lower Upper
129 100
127 76.3 54.6 101.4

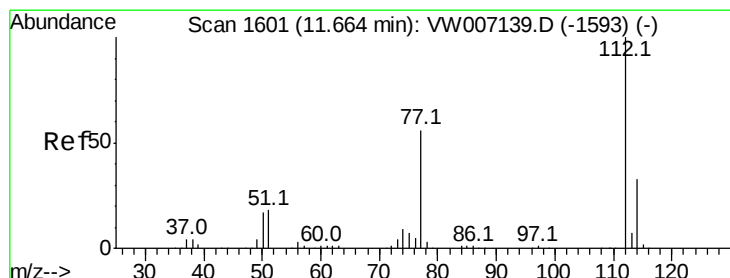
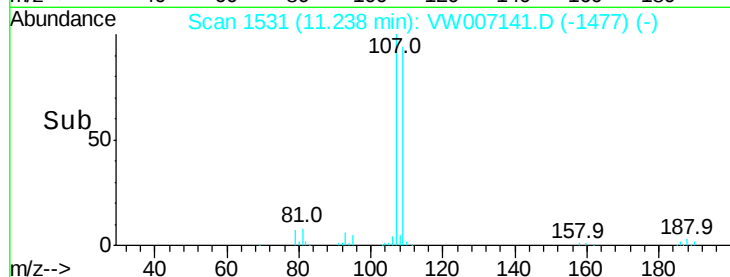
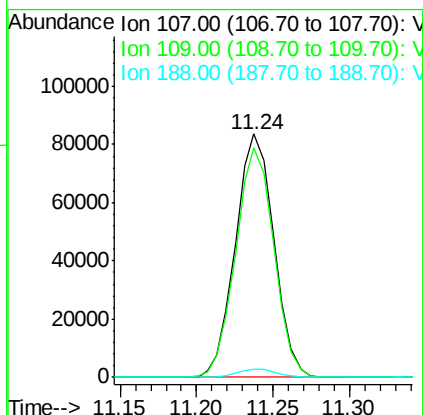
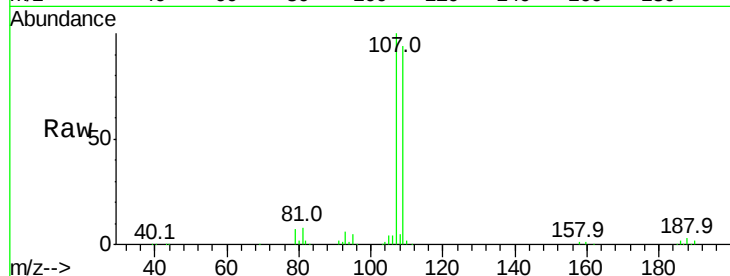




#51
1,2-Dibromoethane
Concen: 117.335 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW007141.D
Acq: 30 Nov 2018 13:13

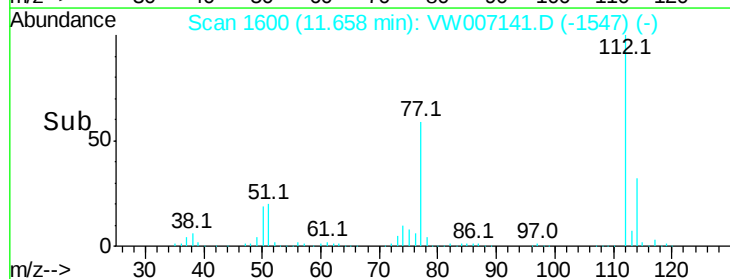
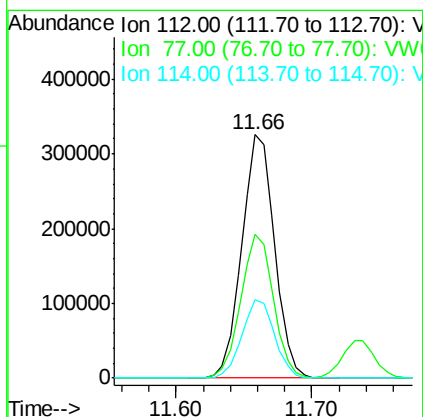
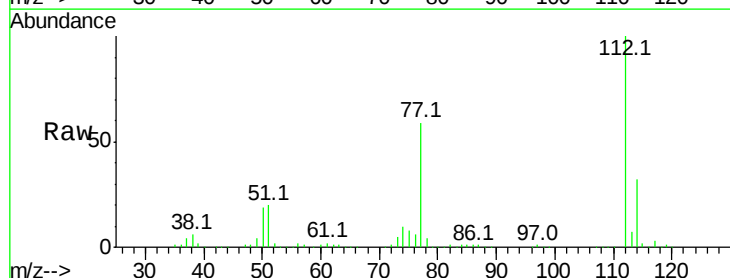
Instrument :
MSVOA_W
ClientSampleId :
VSTD10085

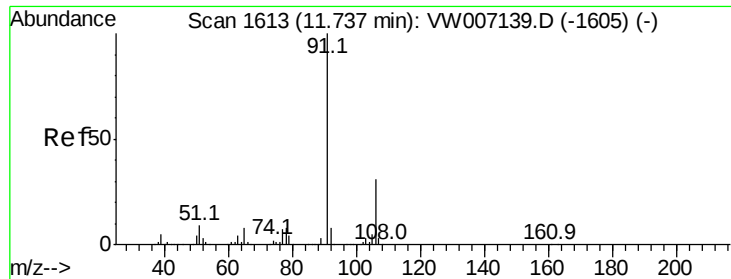
Tgt Ion:107 Resp: 145940
Ion Ratio Lower Upper
107 100
109 94.1 66.0 122.6
188 3.4 3.6 5.4#



#52
Chlorobenzene
Concen: 106.952 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VW007141.D
Acq: 30 Nov 2018 13:13

Tgt Ion:112 Resp: 547970
Ion Ratio Lower Upper
112 100
77 59.2 45.0 67.4
114 32.1 22.8 42.4





#53

Ethylbenzene

Concen: 106.956 ug/L

RT: 11.74 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VW007141.D

Acq: 30 Nov 2018 13:13

Instrument :

MSVOA_W

ClientSampleId :

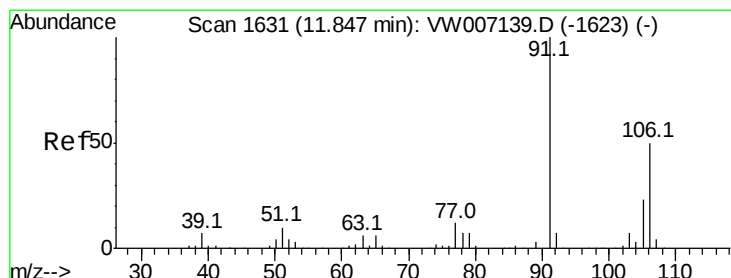
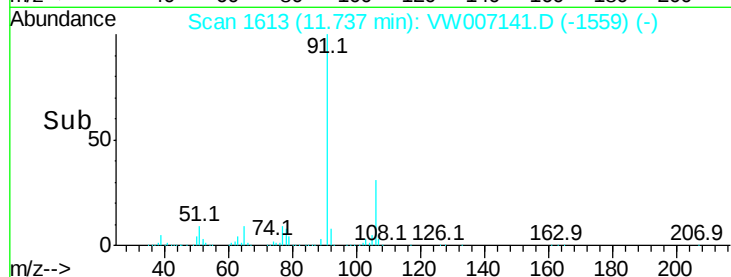
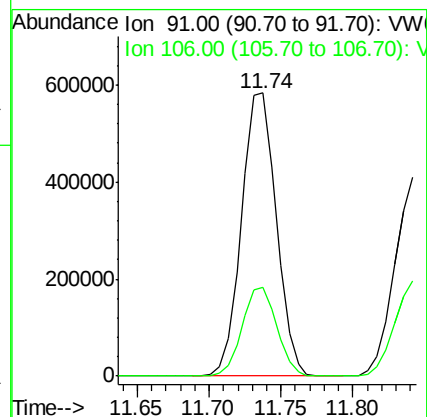
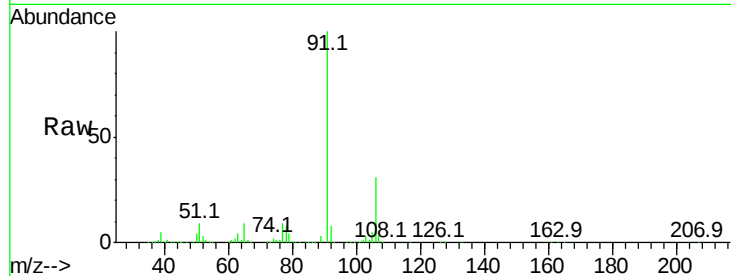
VSTD10085

Tgt Ion: 91 Resp: 976789

Ion Ratio Lower Upper

91 100

106 31.3 21.8 40.4



#54

m,p-Xylene

Concen: 104.894 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.01 min

Lab File: VW007141.D

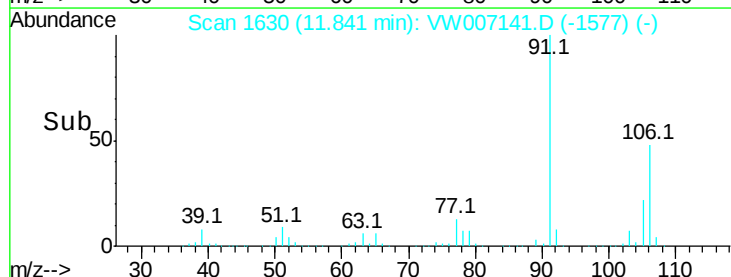
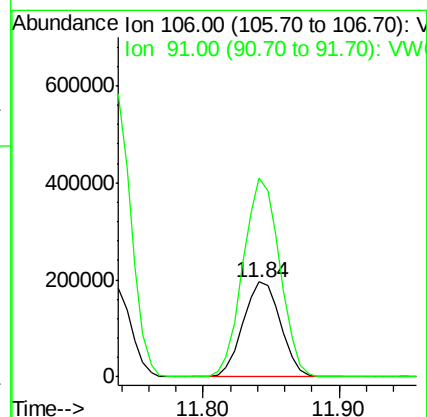
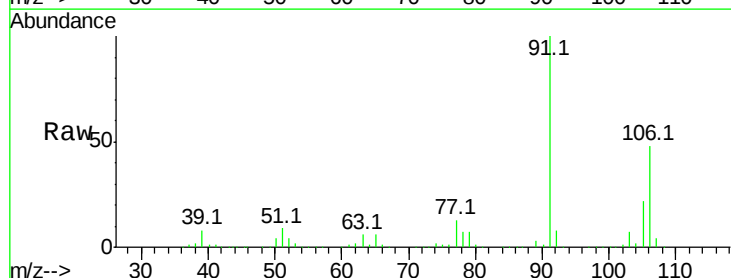
Acq: 30 Nov 2018 13:13

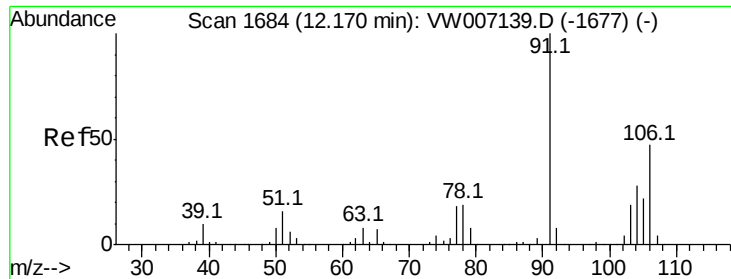
Tgt Ion: 106 Resp: 376337

Ion Ratio Lower Upper

106 100

91 209.8 140.7 261.3

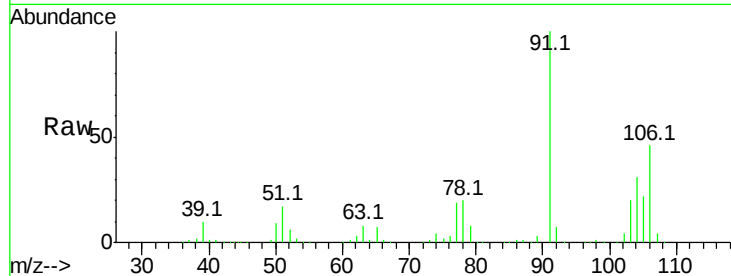




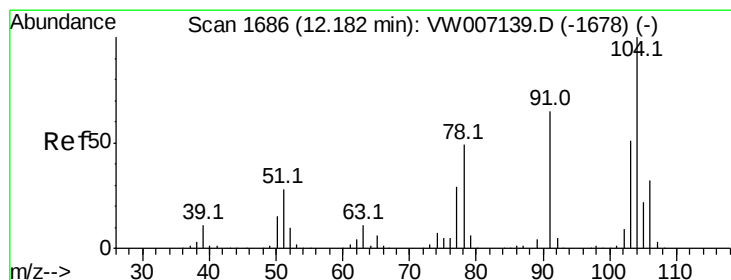
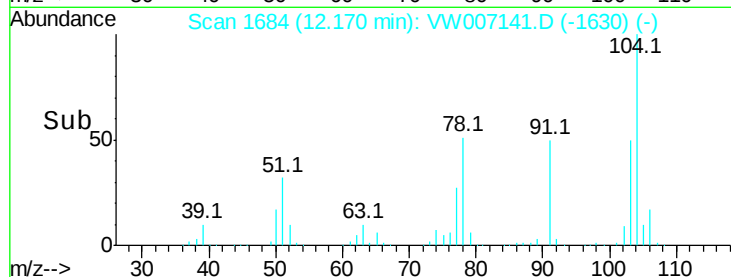
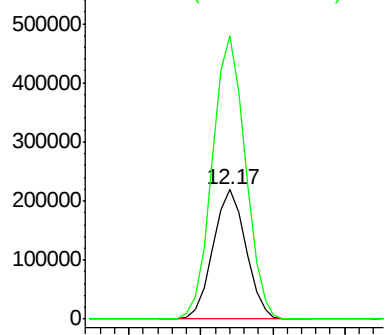
#55
o-xylene
Concen: 103.983 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007141.D
Acq: 30 Nov 2018 13:13

Instrument :
MSVOA_W
ClientSampled :
VSTD10085

Tgt Ion:106 Resp: 347488
Ion Ratio Lower Upper
106 100
91 219.0 149.0 276.8

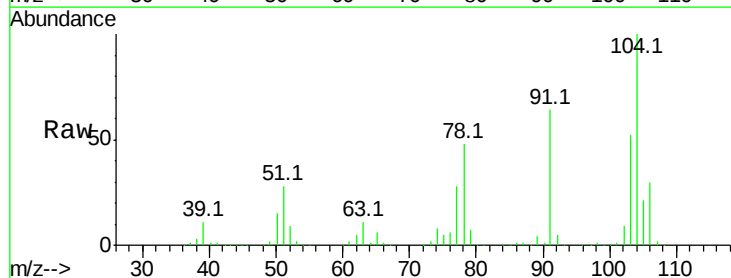


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

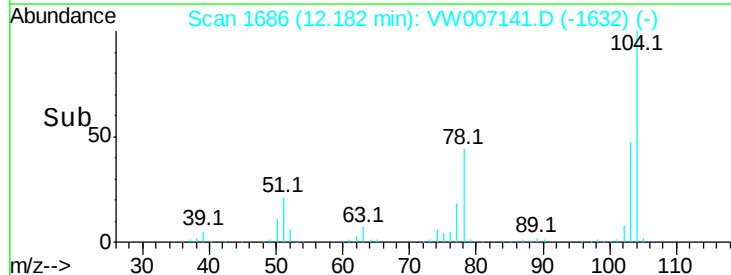
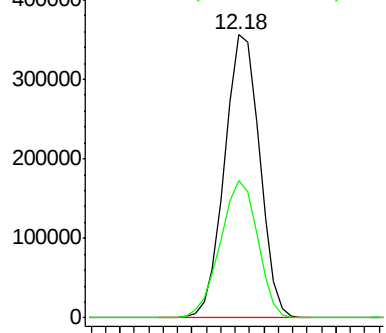


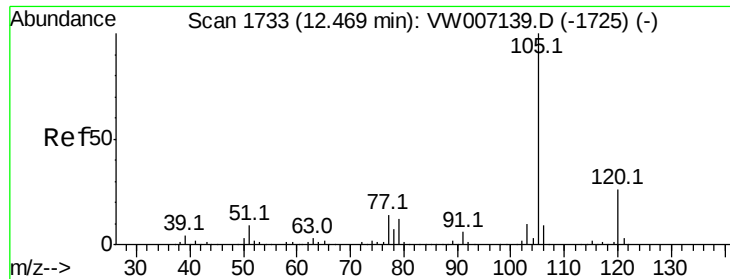
#56
Styrene
Concen: 107.317 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW007141.D
Acq: 30 Nov 2018 13:13

Tgt Ion:104 Resp: 599697
Ion Ratio Lower Upper
104 100
78 48.5 34.6 64.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 106.604 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW007141.D

Acq: 30 Nov 2018 13:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD10085

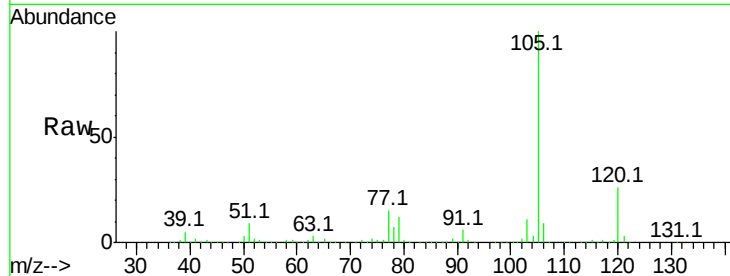
Tgt Ion: 105 Resp: 974310

Ion Ratio Lower Upper

105 100

120 26.1 20.8 31.2

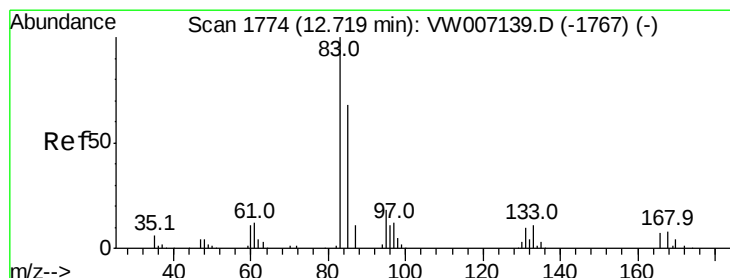
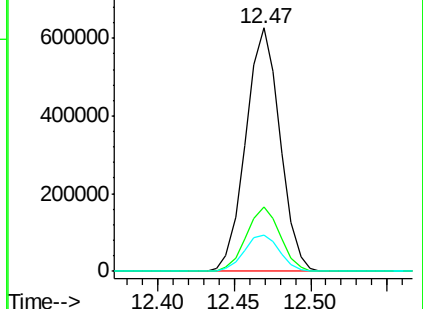
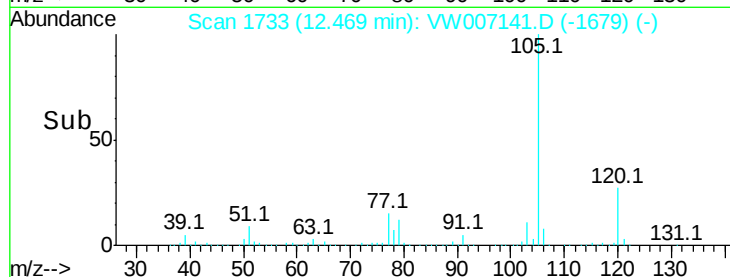
77 15.4 12.0 18.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 121.646 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW007141.D

Acq: 30 Nov 2018 13:13

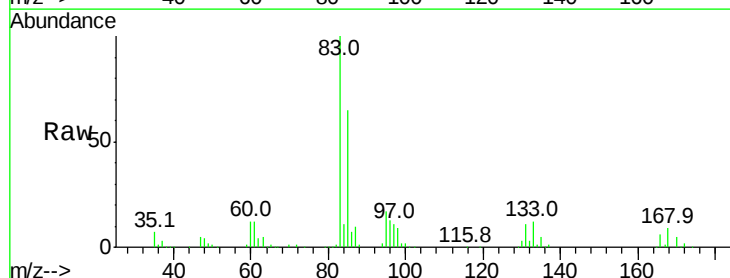
Tgt Ion: 83 Resp: 179007

Ion Ratio Lower Upper

83 100

85 65.3 47.8 88.8

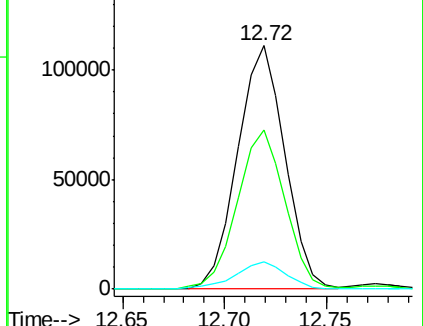
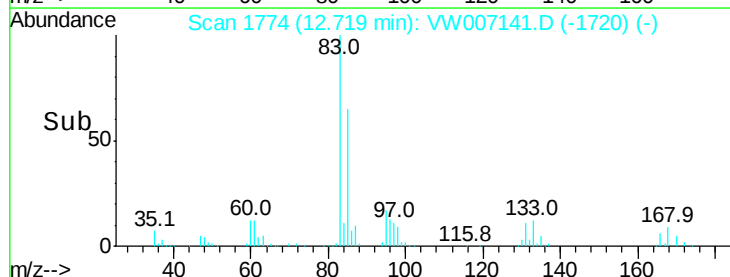
131 11.0 8.2 12.2

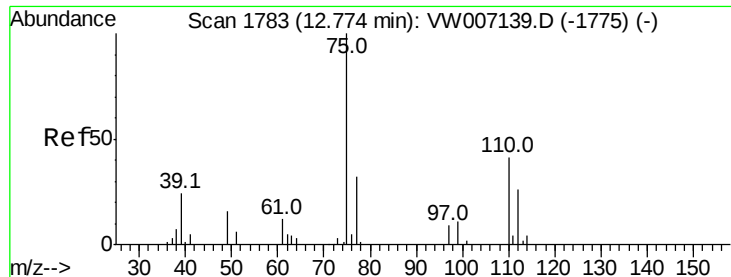


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

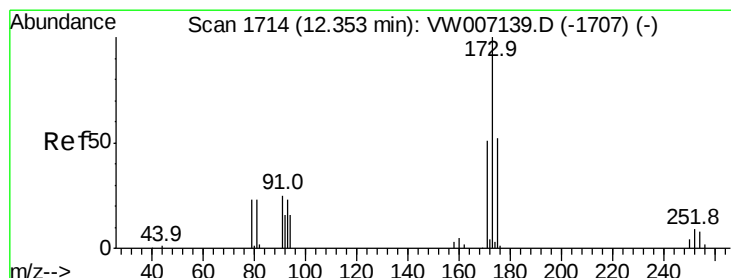
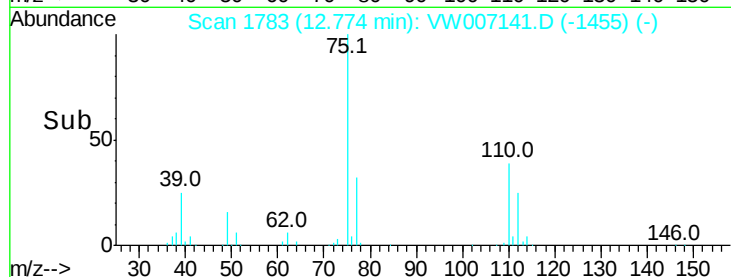
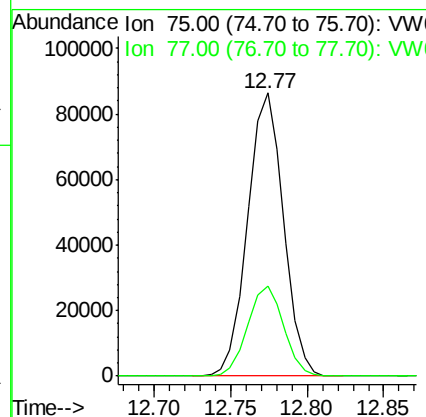
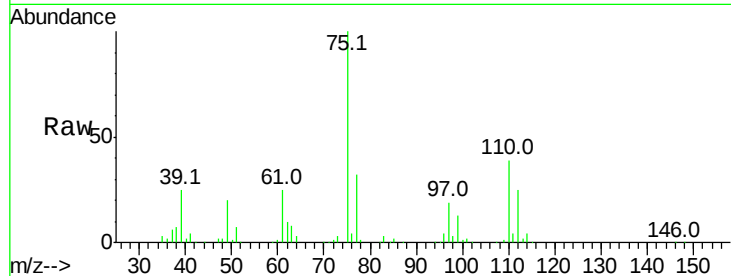




#59
 1,2,3-Trichloropropane
 Concen: 119.290 ug/L
 RT: 12.77 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VW007141.D
 Acq: 30 Nov 2018 13:13

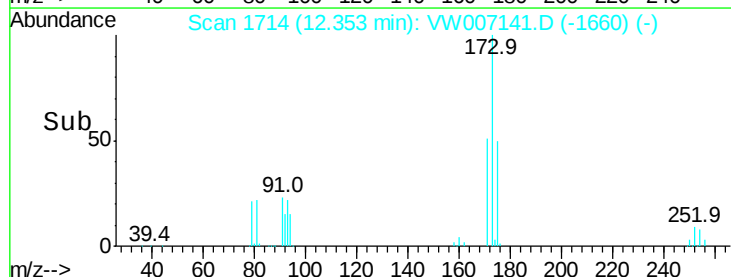
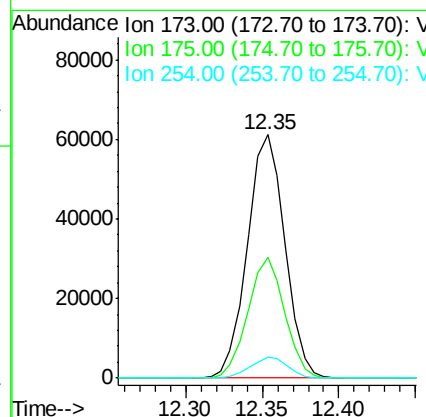
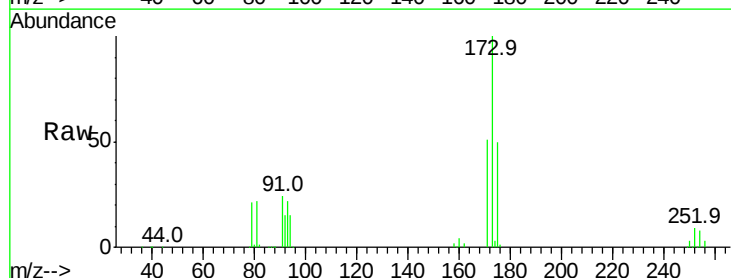
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10085

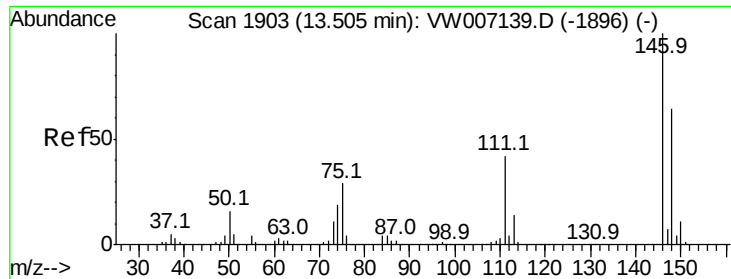
Tgt Ion: 75 Resp: 140760
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.8 38.6



#62
 Bromoform
 Concen: 124.675 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.00 min
 Lab File: VW007141.D
 Acq: 30 Nov 2018 13:13

Tgt Ion: 173 Resp: 104243
 Ion Ratio Lower Upper
 173 100
 175 48.9 39.8 59.8
 254 8.5 6.9 10.3

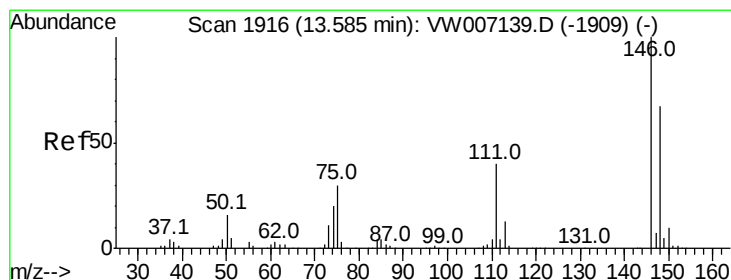
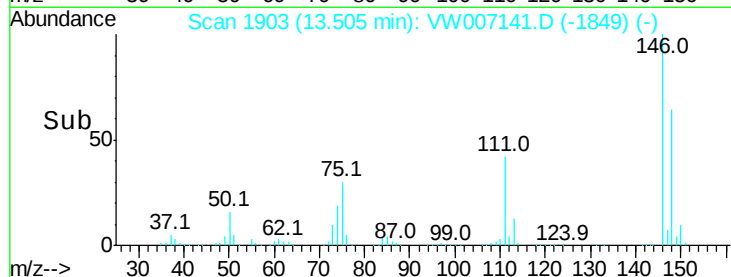
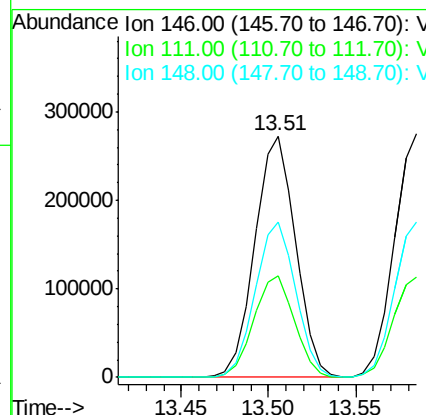
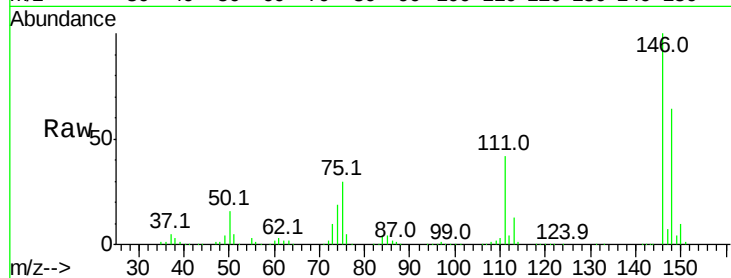




#63
 1,3-Dichlorobenzene
 Concen: 107.633 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW007141.D
 Acq: 30 Nov 2018 13:13

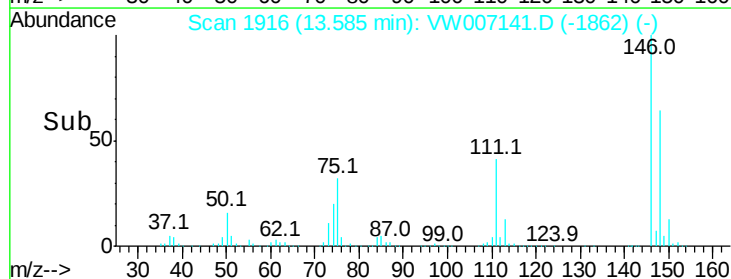
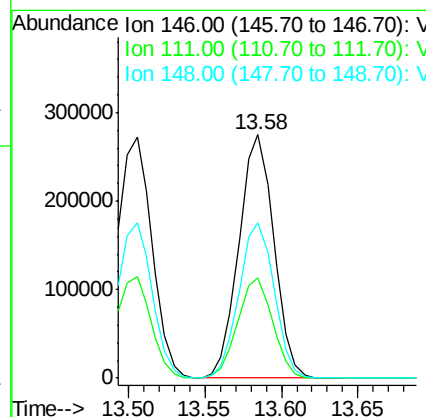
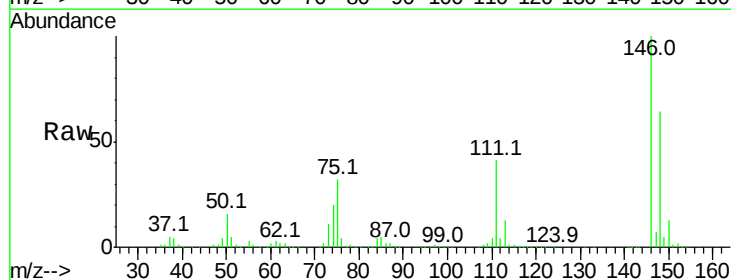
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10085

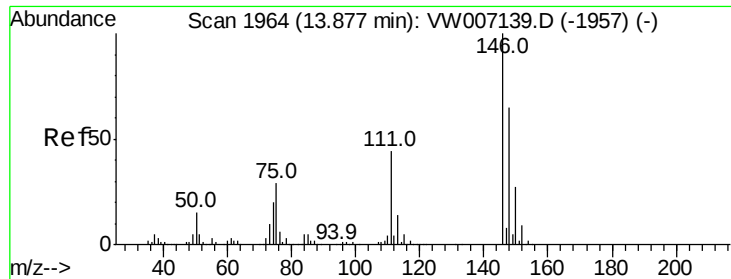
Tgt Ion:146 Resp: 440539
 Ion Ratio Lower Upper
 146 100
 111 41.9 29.2 54.2
 148 64.2 44.7 83.1



#64
 1,4-Dichlorobenzene
 Concen: 106.720 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW007141.D
 Acq: 30 Nov 2018 13:13

Tgt Ion:146 Resp: 436297
 Ion Ratio Lower Upper
 146 100
 111 41.1 28.2 52.4
 148 63.6 46.6 86.6

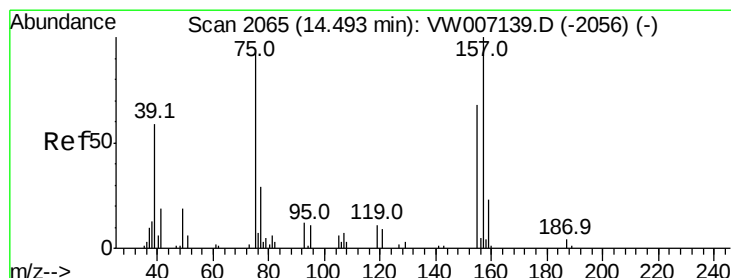
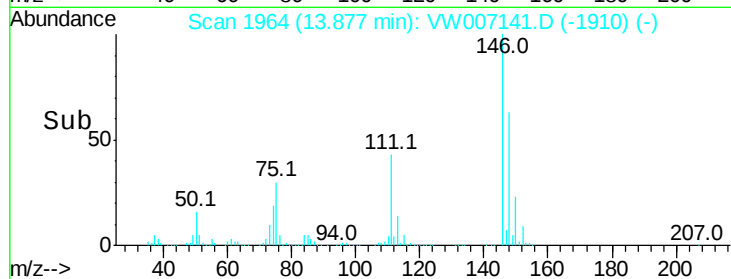
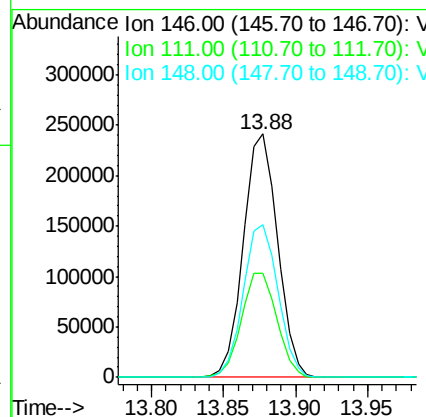
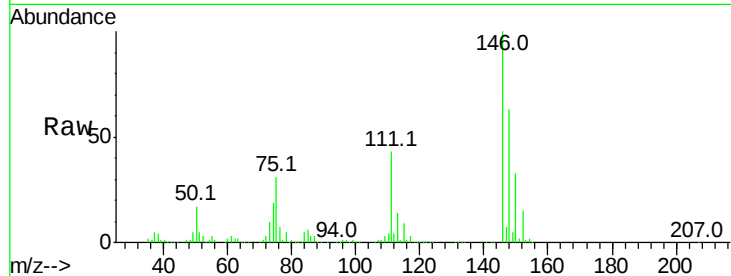




#65
 1,2-Dichlorobenzene
 Concen: 107.937 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW007141.D
 Acq: 30 Nov 2018 13:13

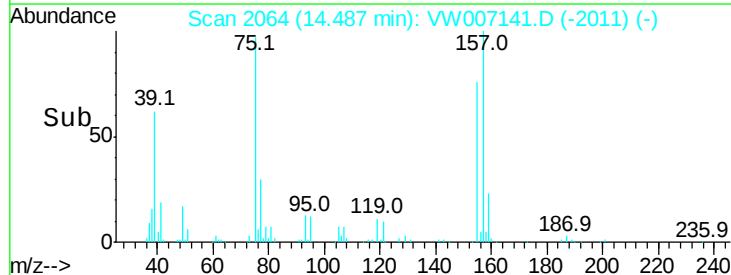
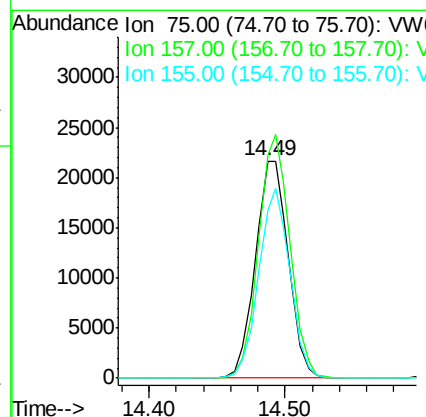
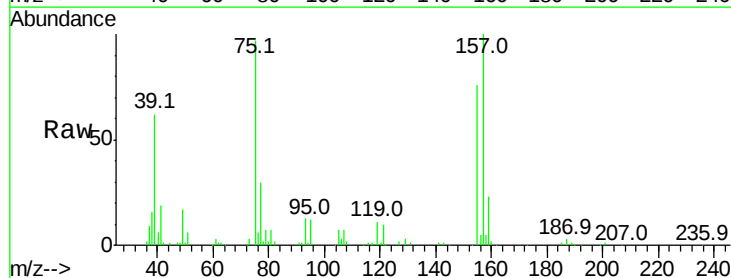
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10085

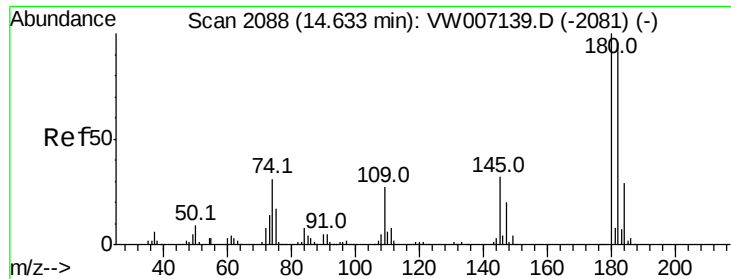
Tgt Ion:146 Resp: 398362
 Ion Ratio Lower Upper
 146 100
 111 42.8 35.3 52.9
 148 62.8 51.6 77.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 134.735 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW007141.D
 Acq: 30 Nov 2018 13:13

Tgt Ion: 75 Resp: 36719
 Ion Ratio Lower Upper
 75 100
 157 102.6 86.4 129.6
 155 77.5 58.3 87.5

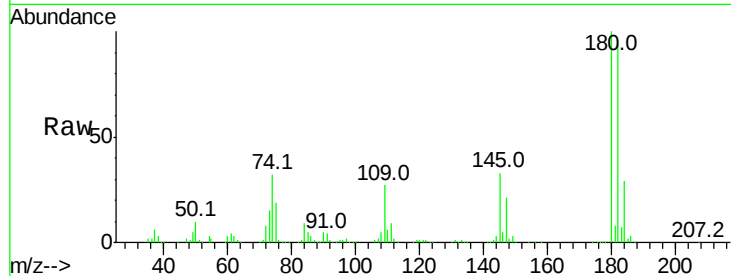




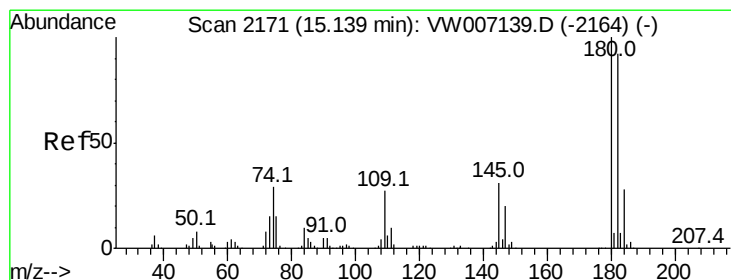
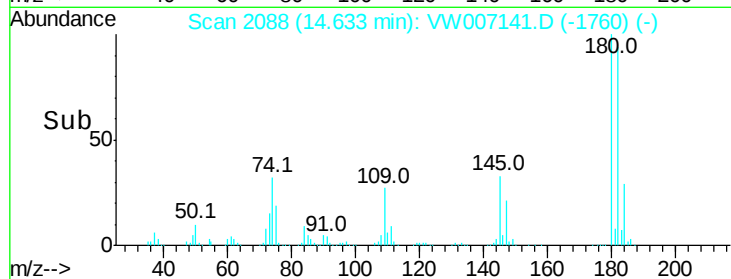
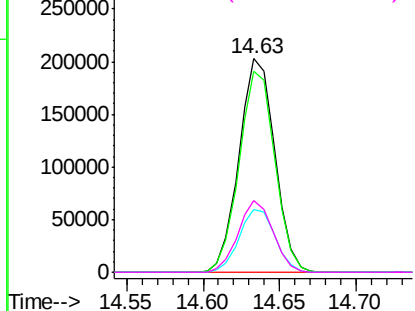
#67
 1,3,5-Trichlorobenzene
 Concen: 120.616 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW007141.D
 Acq: 30 Nov 2018 13:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10085

Tgt Ion:180 Resp: 328760
 Ion Ratio Lower Upper
 180 100
 182 94.2 75.9 113.9
 184 29.7 24.2 36.4
 145 32.7 26.1 39.1

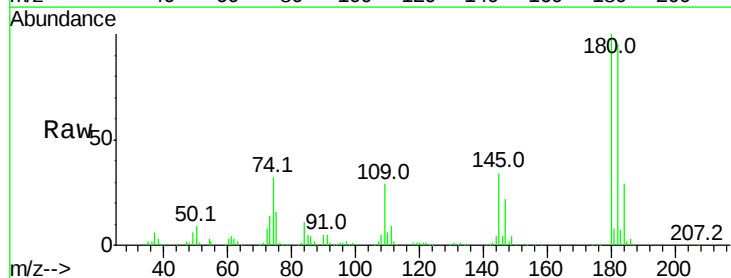


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

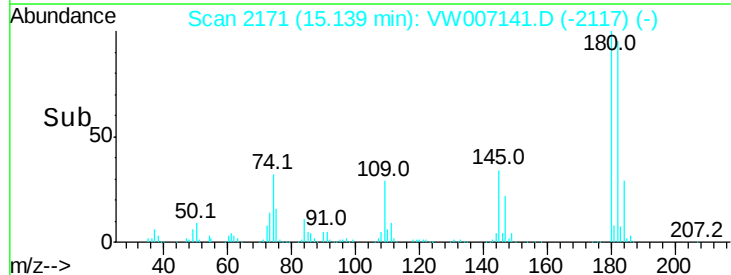
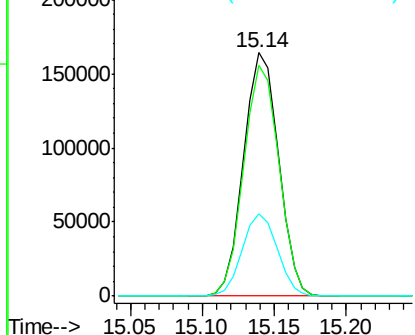


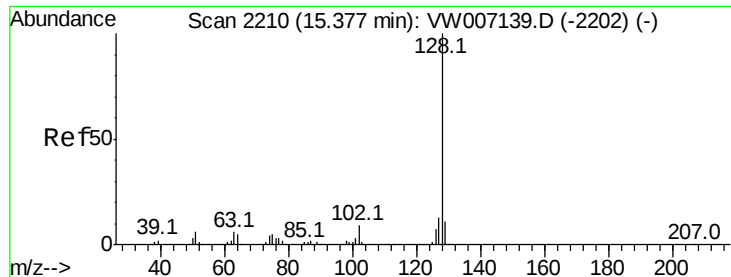
#68
 1,2,4-trichlorobenzene
 Concen: 123.080 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW007141.D
 Acq: 30 Nov 2018 13:13

Tgt Ion:180 Resp: 276847
 Ion Ratio Lower Upper
 180 100
 182 95.3 75.6 113.4
 145 33.8 26.6 39.8



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

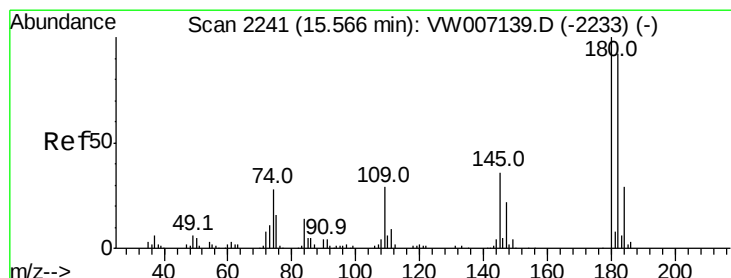
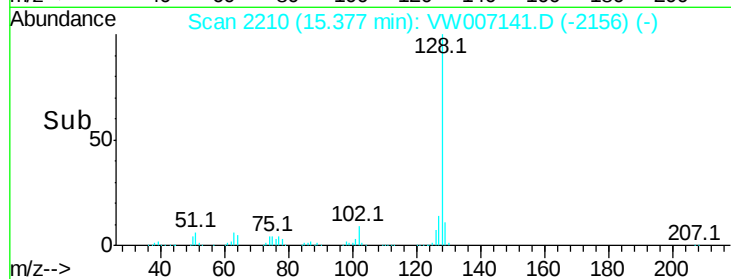
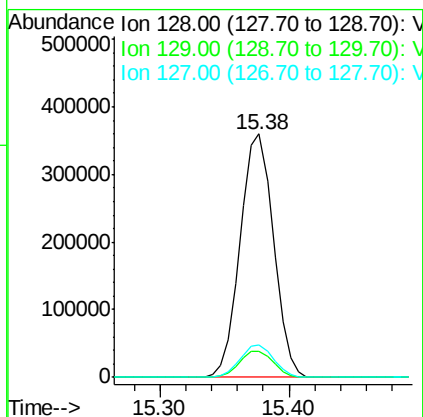
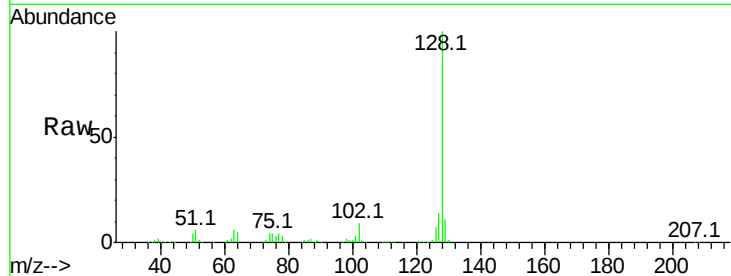




#69
Naphthalene
Concen: 138.461 ug/L
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW007141.D
Acq: 30 Nov 2018 13:13

Instrument :
MSVOA_W
ClientSampleId :
VSTD10085

Tgt Ion:128 Resp: 644870
Ion Ratio Lower Upper
128 100
129 11.0 8.7 13.1
127 13.4 10.9 16.3



#70
1,2,3-Trichlorobenzene
Concen: 122.826 ug/L
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW007141.D
Acq: 30 Nov 2018 13:13

Tgt Ion:180 Resp: 242822
Ion Ratio Lower Upper
180 100
182 94.5 75.0 112.4
145 35.1 28.2 42.4

