

Data File : VW005719.D
Acq On : 28 Sep 2018 13:11
Operator : SY/AP
Sample : VSTD00581
Misc : 5.00G/105ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD00581

Quant Time: Sep 28 14:25:57 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092818S.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 28 14:24:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	291116	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	270288	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	143716	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	19906	5.08	ug/L	0.00
7) Chloroethane-d5	2.90	69	14583	4.67	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	41408	4.80	ug/L	0.00
20) 2-Butanone-d5	7.17	46	376	0.25	ug/L	0.07
24) Chloroform-d	7.65	84	36384	4.60	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	20729	4.36	ug/L	0.00
29) Benzene-d6	8.28	84	67851	4.25	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	19490	4.00	ug/L	0.00
37) Toluene-d8	10.33	98	64497	4.38	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.59	79	9423	4.22	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	6405	5.63	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.70	84	16460	3.74	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.87	152	23639	4.25	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	16887	4.168 ug/L	94
3) Chloromethane	2.21	50	16375	3.836 ug/L	94
5) Vinyl chloride	2.37	62	24546	5.936 ug/L	98
6) Bromomethane	2.79	94	14927	5.819 ug/L	98
8) Chloroethane	2.93	64	13481	5.353 ug/L	93
9) Trichlorofluoromethane	3.26	101	17141	4.780 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	20138	5.262 ug/L	94
12) 1,1-Dichloroethene	4.04	96	19622	5.449 ug/L	96
13) Acetone	4.15	43	11866	9.060 ug/L	75
14) Carbon disulfide	4.38	76	65225	5.579 ug/L	99
15) Methyl Acetate	4.68	43	10521	4.116 ug/L	99
16) Methylene chloride	4.92	84	28252	5.868 ug/L	96
17) Methyl tert-butyl Ether	5.43	73	16897	2.917 ug/L #	61
18) trans-1,2-Dichloroethene	5.43	96	20568	5.367 ug/L	95
19) 1,1-Dichloroethane	6.22	63	37716	5.159 ug/L	97
21) 2-Butanone	7.18	43	13904	7.745 ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	22146	5.328 ug/L	98
23) Bromochloromethane	7.52	128	10589	5.729 ug/L	95
25) Chloroform	7.68	83	40397	5.474 ug/L	100
27) 1,2-Dichloroethane	8.41	62	29382	5.396 ug/L	99
30) Cyclohexane	7.96	56	32191	4.564 ug/L	98
31) 1,1,1-Trichloroethane	7.88	97	36452	5.905 ug/L	99
32) Carbon tetrachloride	8.07	117	35213	5.987 ug/L	100
34) Benzene	8.33	78	84995	5.211 ug/L	100
35) Trichloroethene	9.10	95	22681	5.376 ug/L	99
36) Methylcyclohexane	9.34	83	38722	5.120 ug/L	97
40) 1,2-Dichloropropane	9.38	63	21049	4.970 ug/L #	97
41) Bromodichloromethane	9.65	83	28012	5.364 ug/L	95
42) cis-1,3-Dichloropropene	10.08	75	31657	5.084 ug/L	96
43) 4-Methyl-2-pentanone	10.22	43	28227	8.309 ug/L	98

Data File : VW005719.D
Acq On : 28 Sep 2018 13:11
Operator : SY/AP
Sample : VSTD00581
Misc : 5.00G/105ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD00581

Quant Time: Sep 28 14:25:57 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092818S.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 28 14:24:24 2018
Response via : Initial Calibration

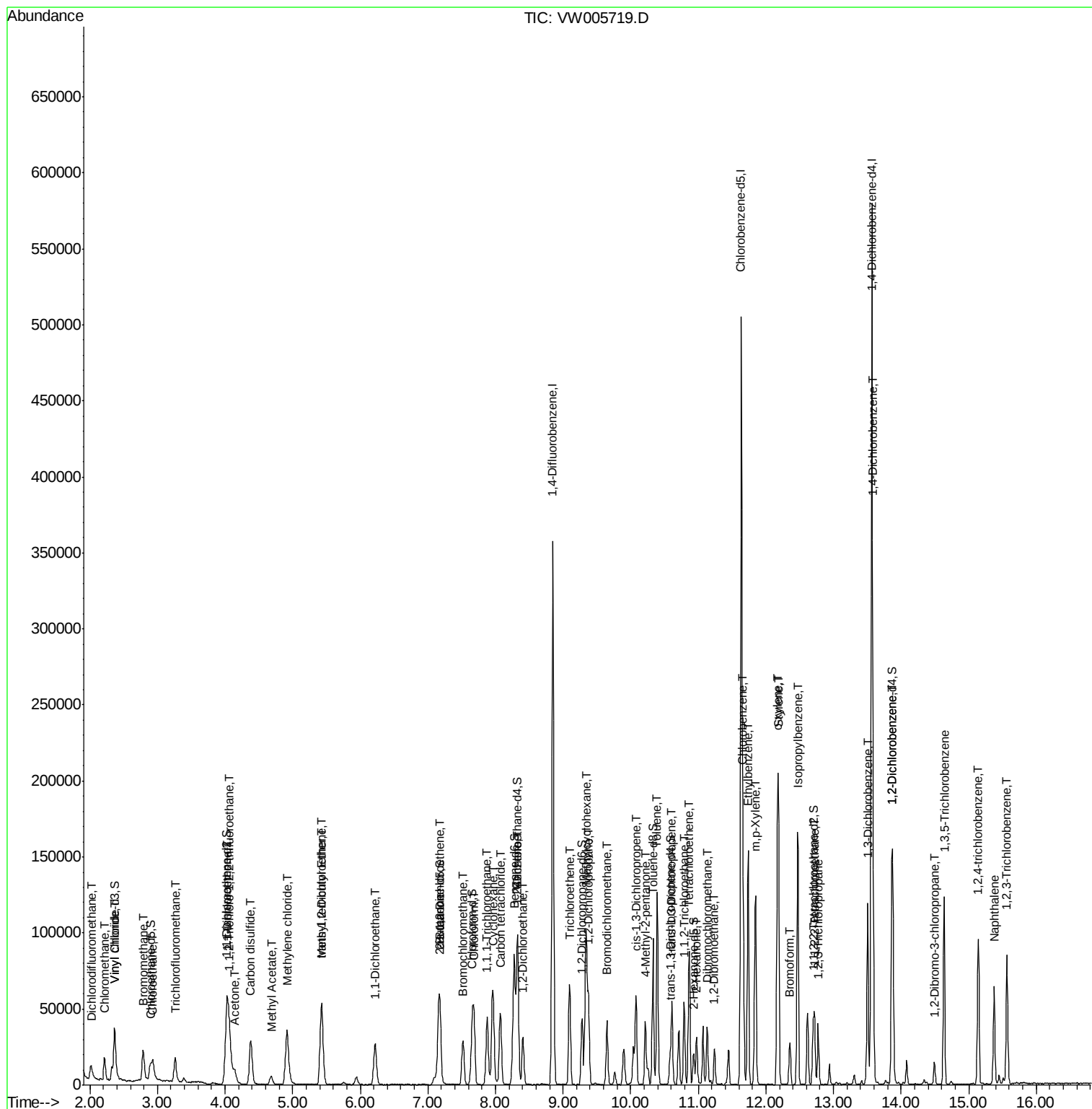
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	91542	5.427	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	29032	5.106	ug/L	96
46) 1,1,2-Trichloroethane	10.79	97	16564	5.276	ug/L	96
47) Tetrachloroethene	10.87	164	19799	5.755	ug/L	96
49) 2-Hexanone	10.98	43	18540	7.553	ug/L	98
50) Dibromochloromethane	11.13	129	19929	5.397	ug/L	94
51) 1,2-Dibromoethane	11.24	107	16038	5.401	ug/L	94
52) Chlorobenzene	11.66	112	62307	5.701	ug/L	98
53) Ethylbenzene	11.74	91	102797	5.247	ug/L	95
54) m,p-Xylene	11.85	106	39204	5.451	ug/L	96
55) o-xylene	12.17	106	36036	5.293	ug/L	100
56) Styrene	12.19	104	61962	5.291	ug/L	99
57) Isopropylbenzene	12.47	105	103081	5.409	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	19690	4.612	ug/L	93
59) 1,2,3-Trichloropropane	12.77	75	15905	4.670	ug/L	98
62) Bromoform	12.35	173	12937	5.191	ug/L	97
63) 1,3-Dichlorobenzene	13.51	146	49686	5.469	ug/L	94
64) 1,4-Dichlorobenzene	13.58	146	51742	5.546	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	46101	5.394	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	3849	4.341	ug/L	93
67) 1,3,5-Trichlorobenzene	14.64	180	40664	5.713	ug/L	96
68) 1,2,4-trichlorobenzene	15.15	180	31888	5.462	ug/L	98
69) Naphthalene	15.38	128	55177	4.453	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	29485	5.349	ug/L	99

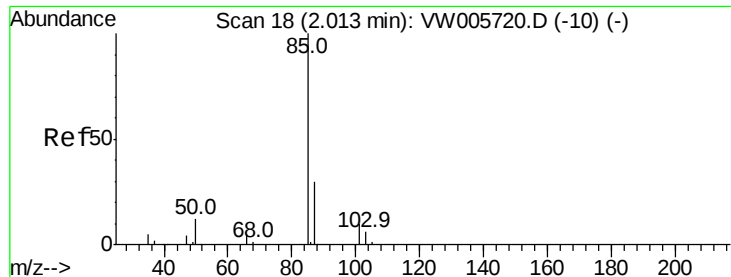
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW005719.D
Acq On : 28 Sep 2018 13:11
Operator : SY/AP
Sample : VSTD00581
Misc : 5.00G/105ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD00581

Quant Time: Sep 28 14:25:57 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092818S.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 28 14:24:24 2018
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.168 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW005719.D

Acq: 28 Sep 2018 13:11

Instrument :

MSVOA_W

ClientSampleId :

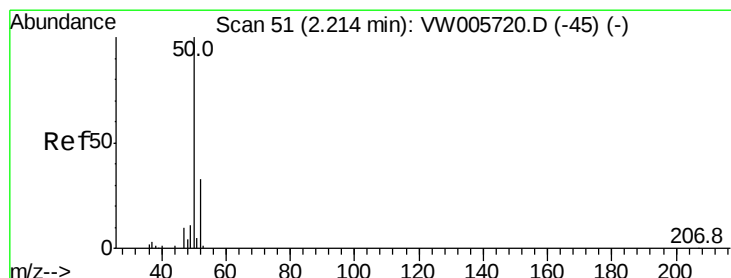
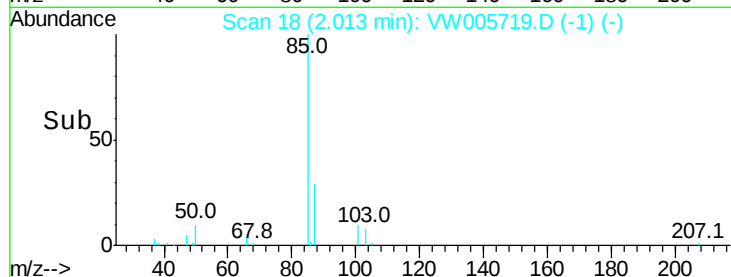
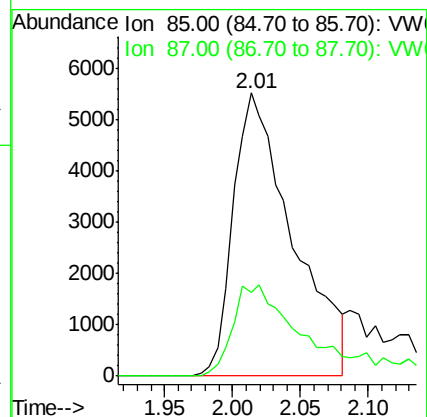
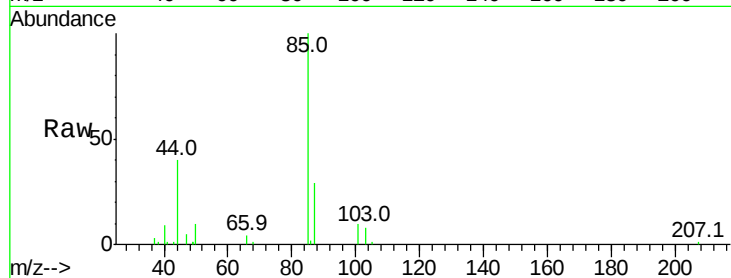
VSTD00581

Tgt Ion: 85 Resp: 16887

Ion Ratio Lower Upper

85 100

87 30.5 19.2 35.6



#3

Chloromethane

Concen: 3.836 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW005719.D

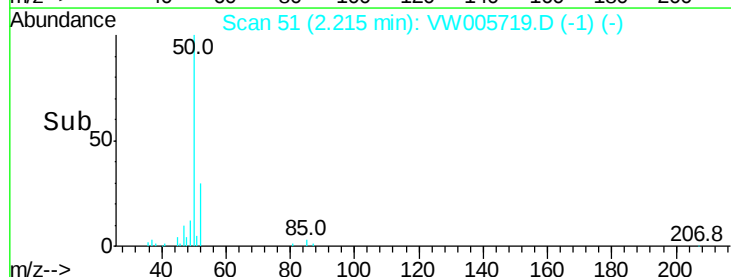
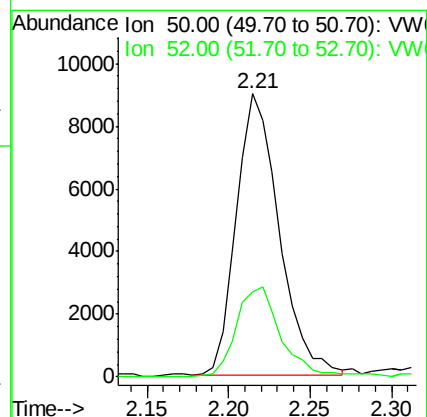
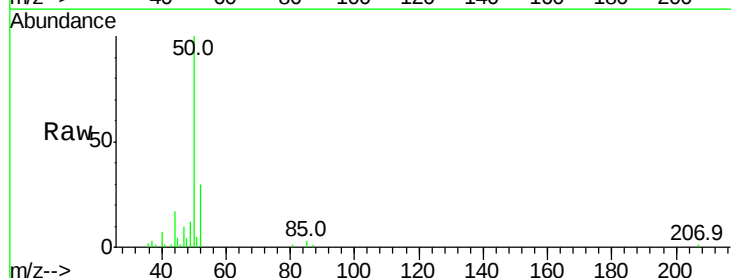
Acq: 28 Sep 2018 13:11

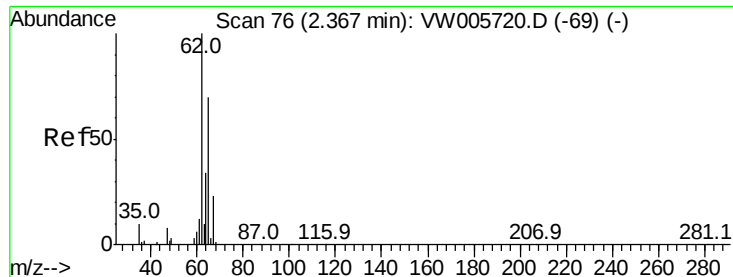
Tgt Ion: 50 Resp: 16375

Ion Ratio Lower Upper

50 100

52 30.1 23.4 43.4





#5

Vinyl chloride

Concen: 5.936 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW005719.D

Acq: 28 Sep 2018 13:11

Instrument :

MSVOA_W

ClientSampleId :

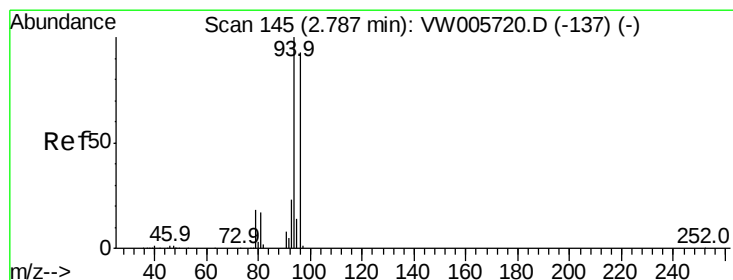
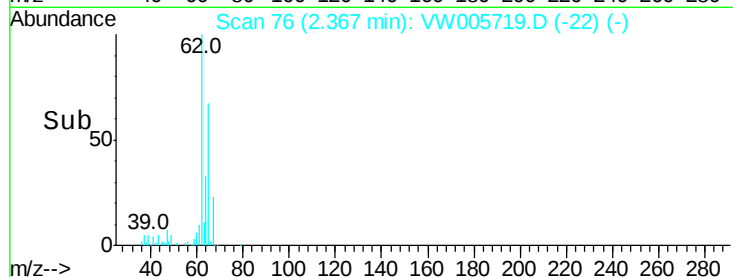
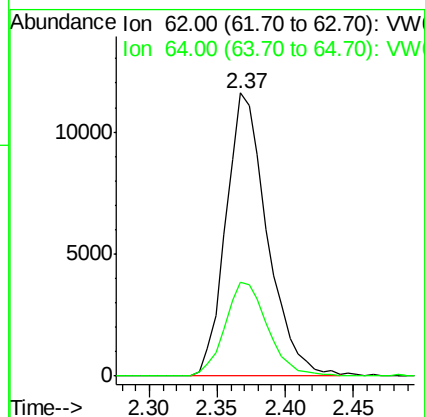
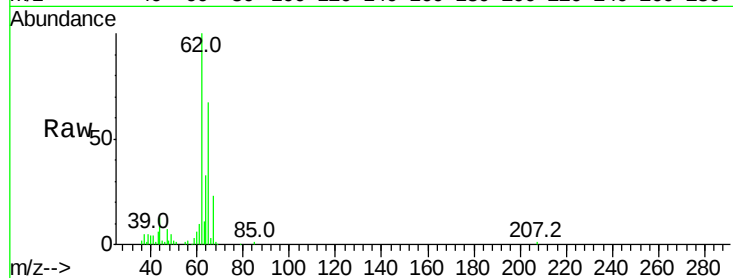
VSTD00581

Tgt Ion: 62 Resp: 24546

Ion Ratio Lower Upper

62 100

64 33.3 24.1 44.7



#6

Bromomethane

Concen: 5.819 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW005719.D

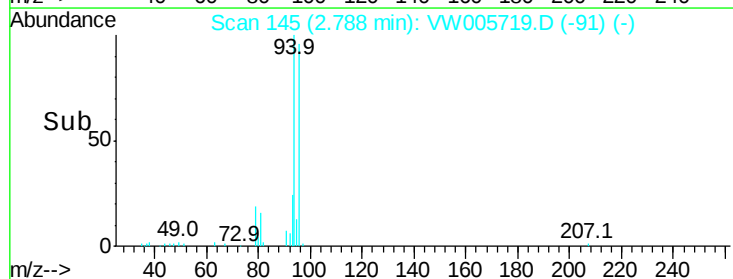
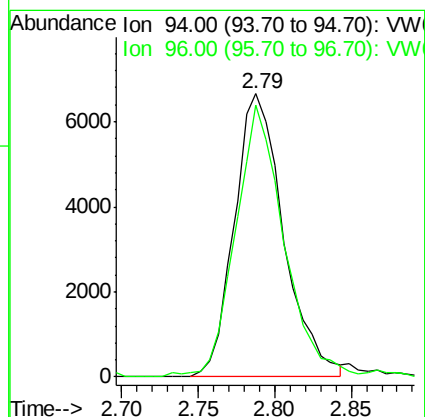
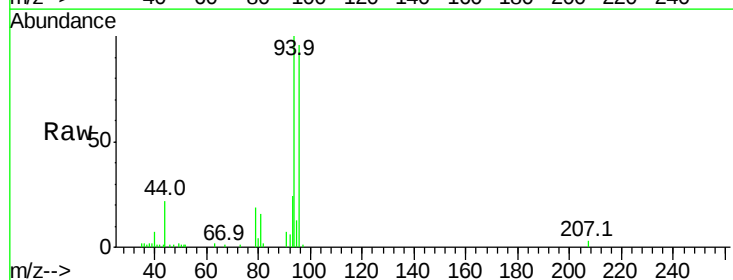
Acq: 28 Sep 2018 13:11

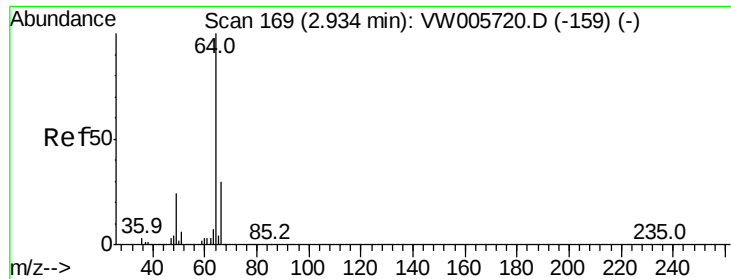
Tgt Ion: 94 Resp: 14927

Ion Ratio Lower Upper

94 100

96 93.6 9.6 181.6





#8

Chloroethane

Concen: 5.353 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.00 min

Lab File: VW005719.D

Acq: 28 Sep 2018 13:11

Instrument :

MSVOA_W

ClientSampled :

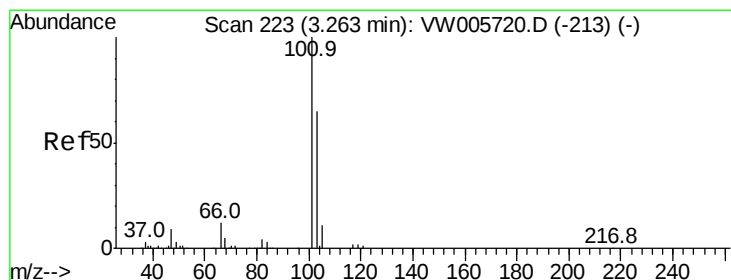
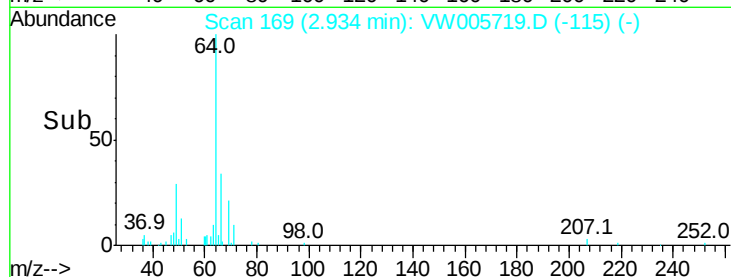
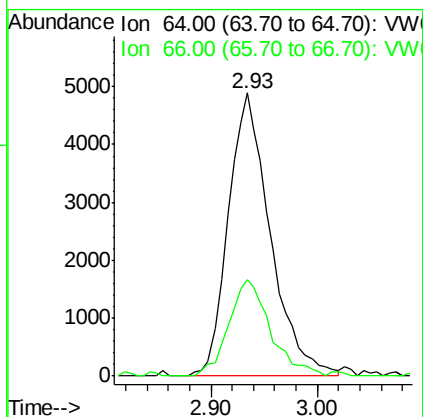
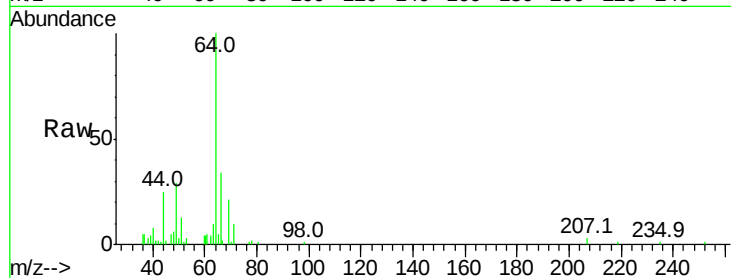
VSTD00581

Tgt Ion: 64 Resp: 13481

Ion Ratio Lower Upper

64 100

66 34.1 21.1 39.3



#9

Trichlorofluoromethane

Concen: 4.780 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW005719.D

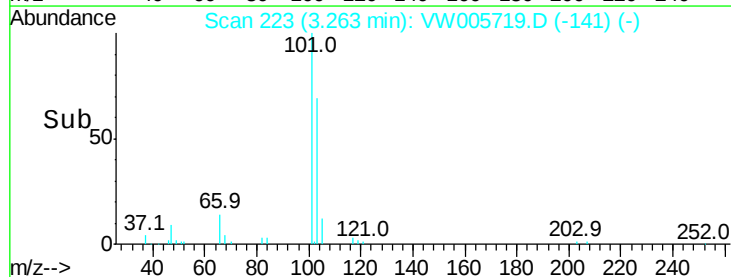
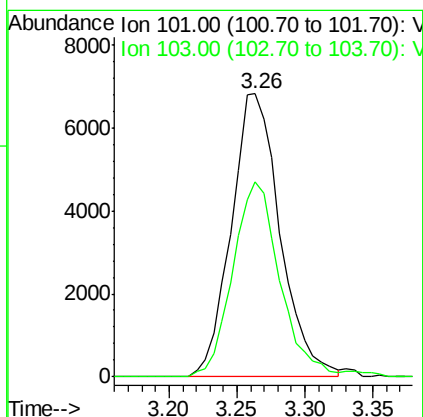
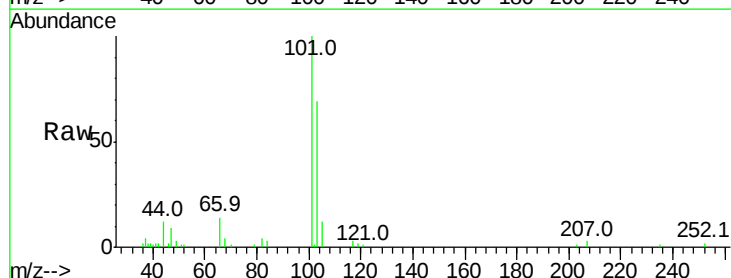
Acq: 28 Sep 2018 13:11

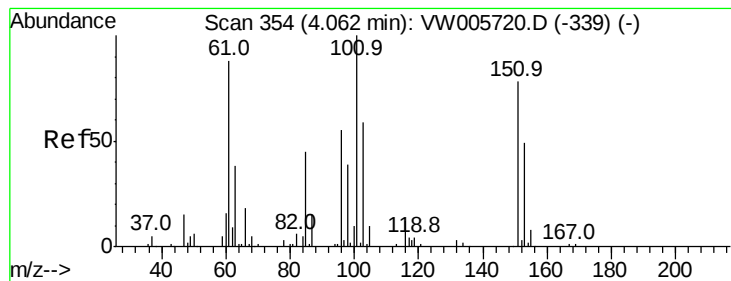
Tgt Ion: 101 Resp: 17141

Ion Ratio Lower Upper

101 100

103 65.8 44.9 83.5





#11

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

Concen: 5.262 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW005719.D

Acq: 28 Sep 2018 13:11

Instrument :

MSVOA_W

ClientSampleId :

VSTD00581

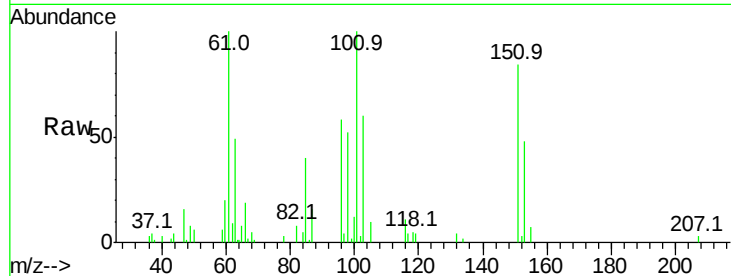
Tgt Ion:101 Resp: 20138

Ion Ratio Lower Upper

101 100

85 41.4 35.0 52.4

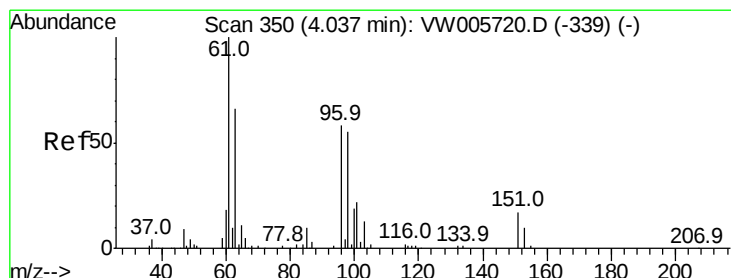
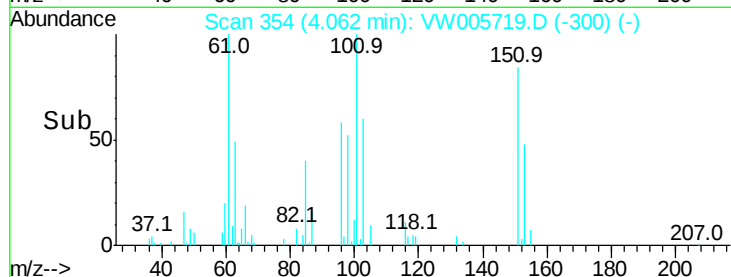
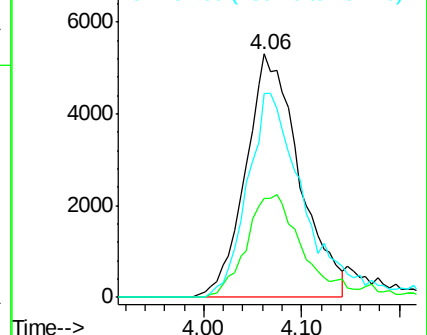
151 77.1 66.4 99.6



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: 5.449 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW005719.D

Acq: 28 Sep 2018 13:11

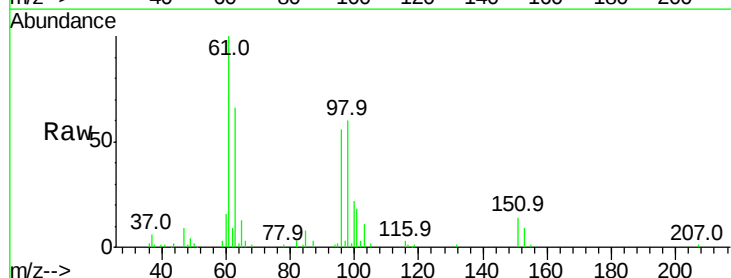
Tgt Ion: 96 Resp: 19622

Ion Ratio Lower Upper

96 100

61 177.8 121.4 225.6

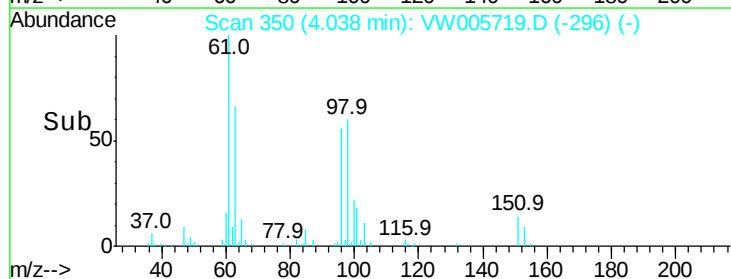
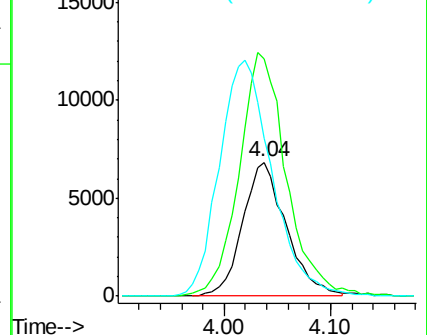
63 117.8 87.2 161.9

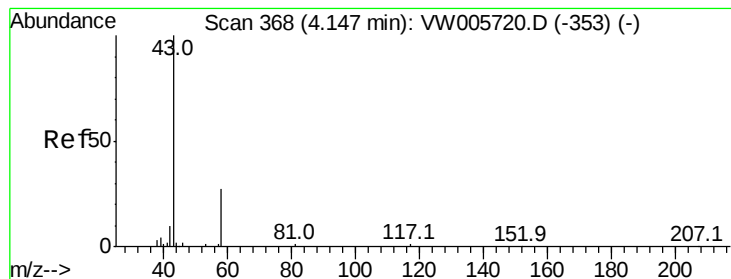


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 9.060 ug/L

RT: 4.15 min Scan# 368

Delta R.T. 0.00 min

Lab File: VW005719.D

Acq: 28 Sep 2018 13:11

Instrument :

MSVOA_W

ClientSampleId :

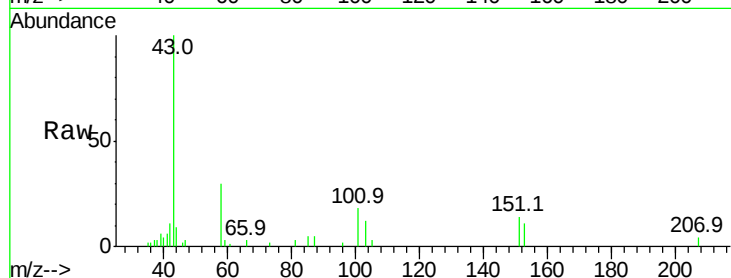
VSTD00581

Tgt Ion: 43 Resp: 11866

Ion Ratio Lower Upper

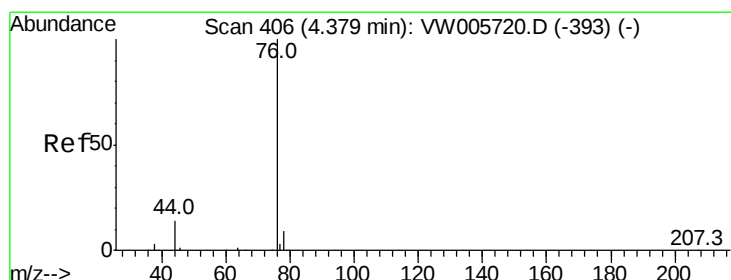
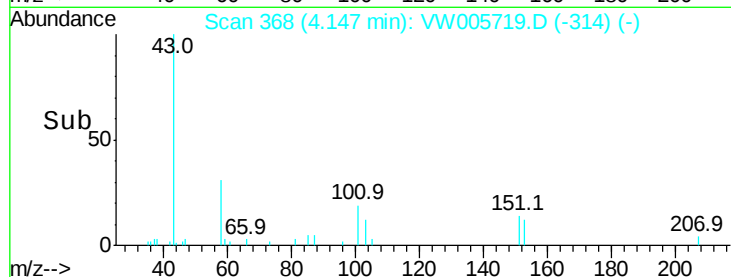
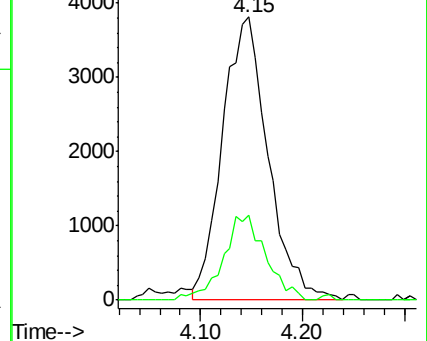
43 100

58 26.6 0.0 31.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 5.579 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW005719.D

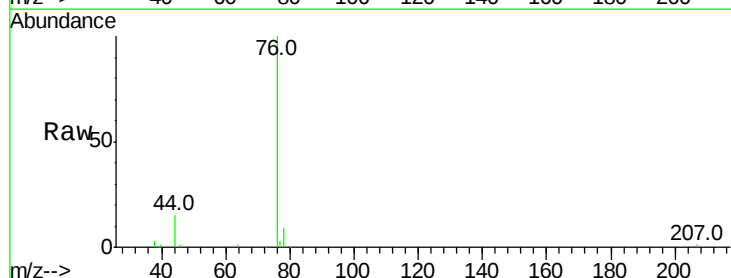
Acq: 28 Sep 2018 13:11

Tgt Ion: 76 Resp: 65225

Ion Ratio Lower Upper

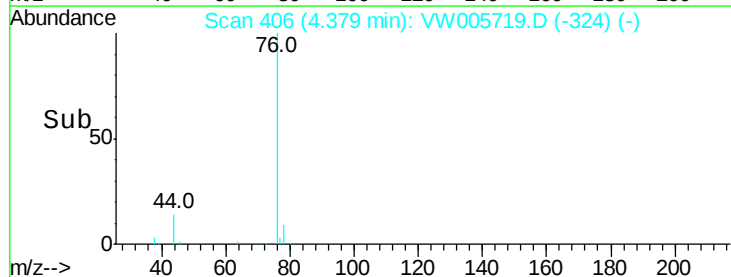
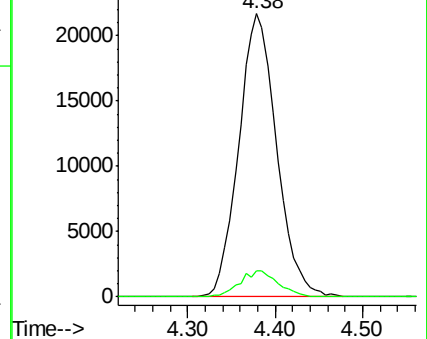
76 100

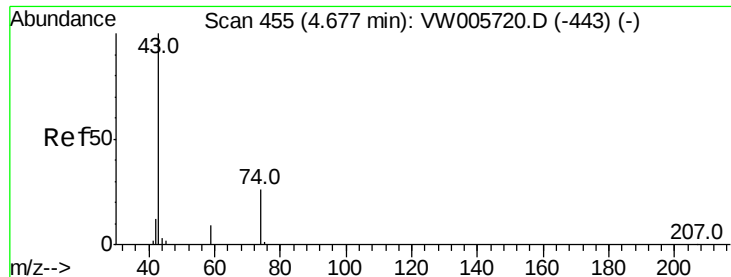
78 9.2 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

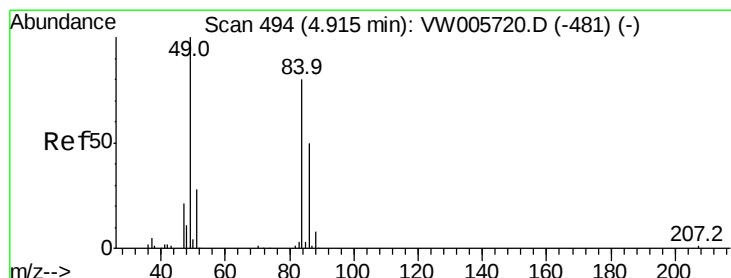
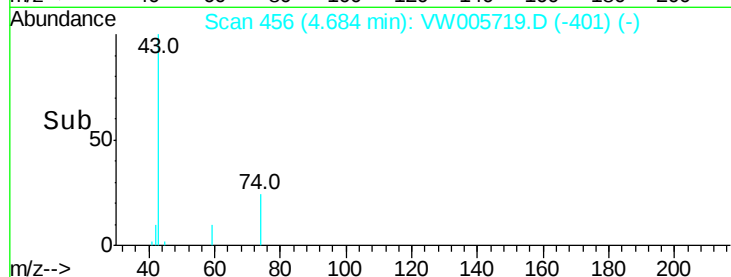
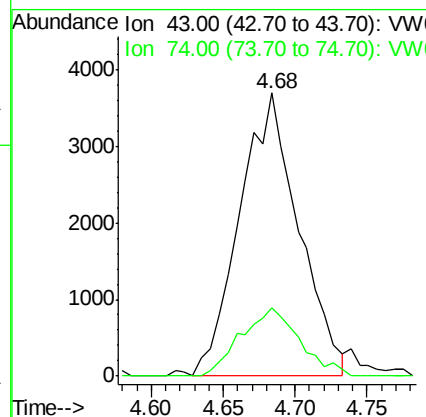
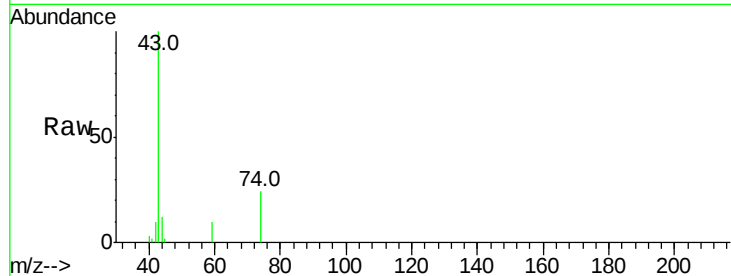




#15
Methyl Acetate
Concen: 4.116 ug/L
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW005719.D
Acq: 28 Sep 2018 13:11

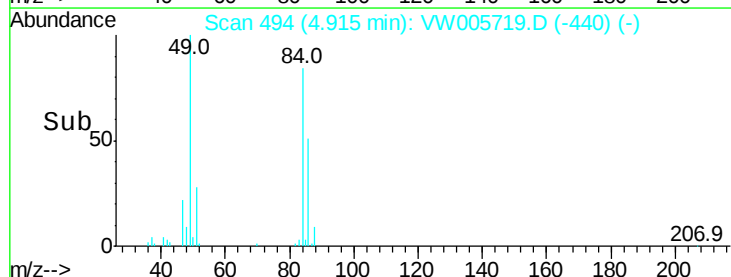
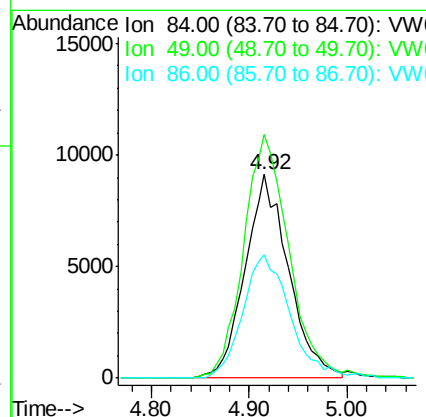
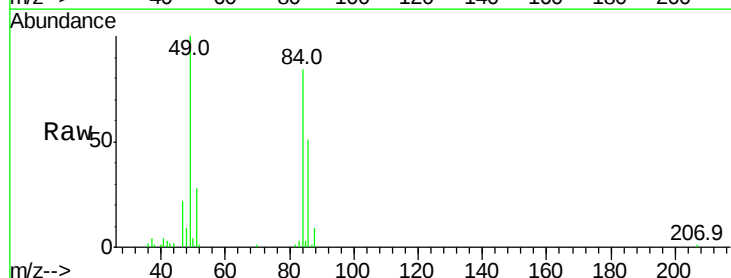
Instrument :
MSVOA_W
ClientSampled :
VSTD00581

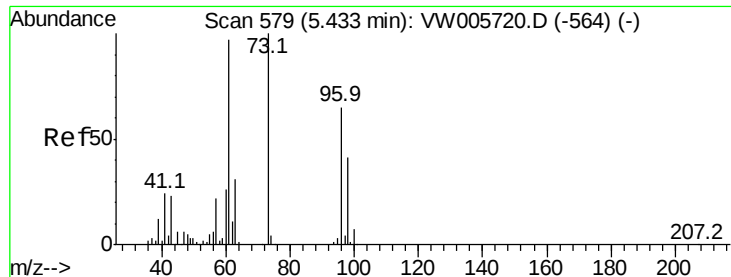
Tgt Ion: 43 Resp: 10521
Ion Ratio Lower Upper
43 100
74 23.9 19.5 29.3



#16
Methylene chloride
Concen: 5.868 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW005719.D
Acq: 28 Sep 2018 13:11

Tgt Ion: 84 Resp: 28252
Ion Ratio Lower Upper
84 100
49 119.5 87.2 162.0
86 60.4 43.2 80.2





#17

Methyl tert-butyl Ether

Concen: 2.917 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.01 min

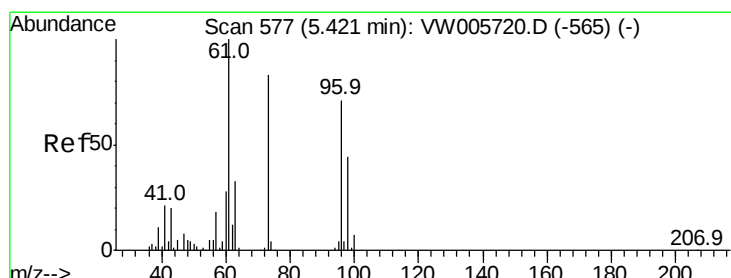
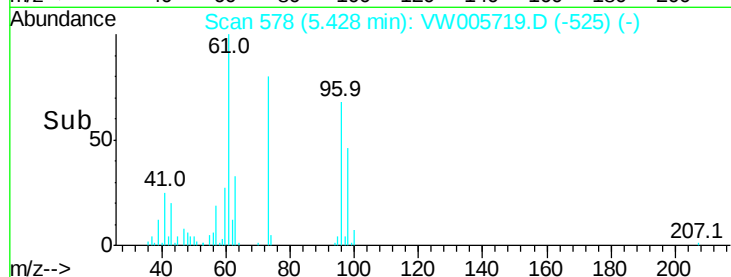
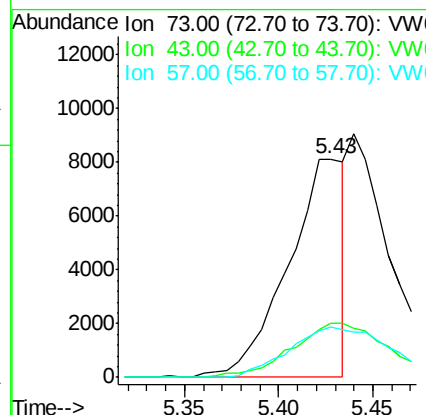
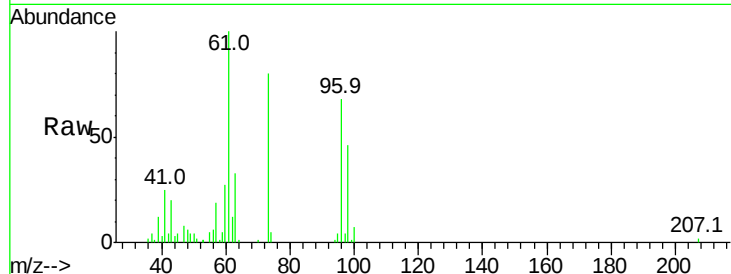
Lab File: VW005719.D

Acq: 28 Sep 2018 13:11

Instrument :
MSVOA_W
ClientSampled :
VSTD00581

Tgt Ion: 73 Resp: 16897

Ion	Ratio	Lower	Upper
73	100		
43	41.7	18.2	27.4#
57	40.1	17.5	26.3#



#18

trans-1,2-Dichloroethene

Concen: 5.367 ug/L

RT: 5.43 min Scan# 578

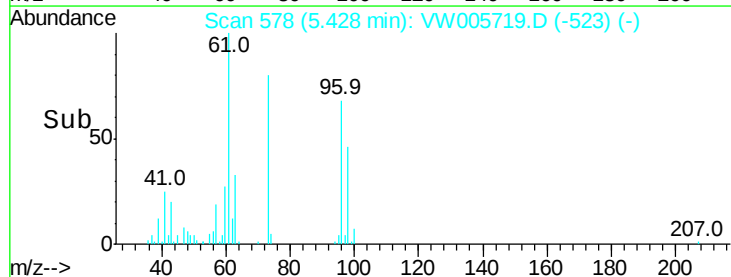
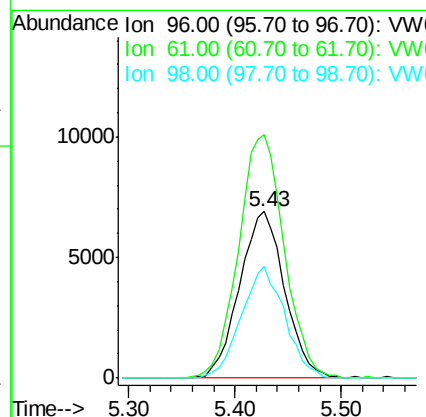
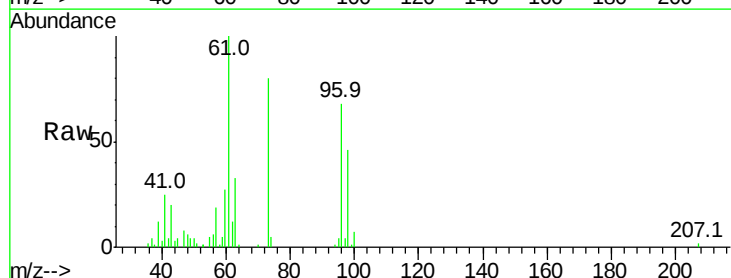
Delta R.T. 0.01 min

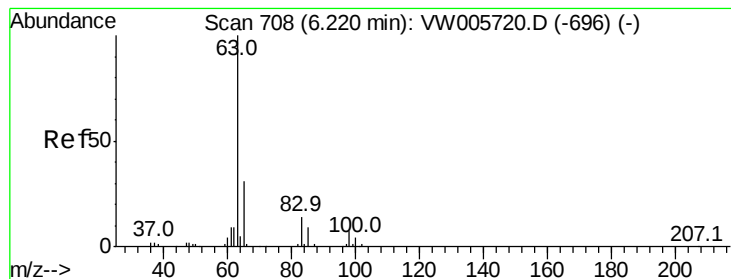
Lab File: VW005719.D

Acq: 28 Sep 2018 13:11

Tgt Ion: 96 Resp: 20568

Ion	Ratio	Lower	Upper
96	100		
61	146.1	98.6	183.2
98	66.7	43.7	81.1





#19

1,1-Dichloroethane

Concen: 5.159 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW005719.D

Acq: 28 Sep 2018 13:11

Instrument :

MSVOA_W

ClientSampleId :

VSTD00581

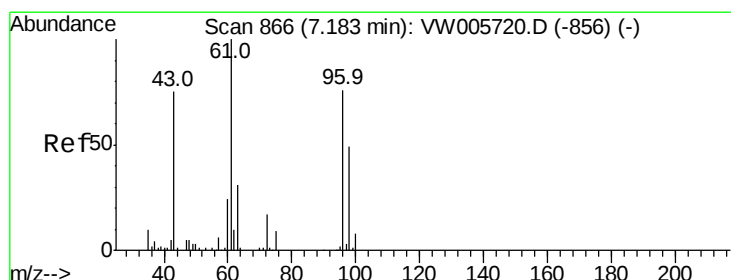
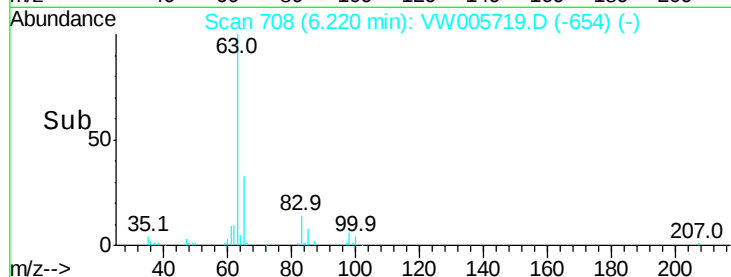
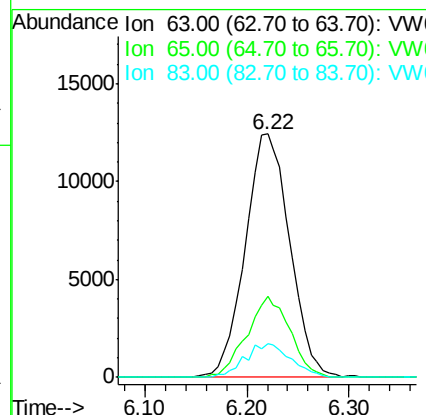
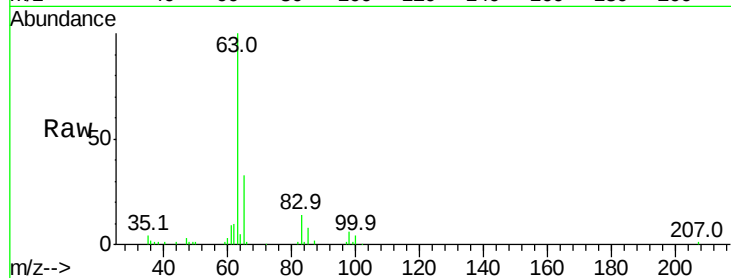
Tgt Ion: 63 Resp: 37716

Ion Ratio Lower Upper

63 100

65 33.5 21.8 40.4

83 13.9 9.7 18.1



#21

2-Butanone

Concen: 7.745 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: VW005719.D

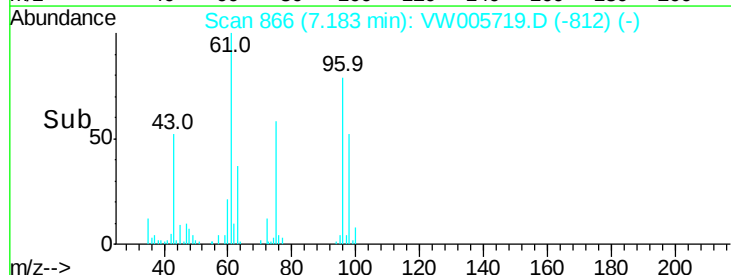
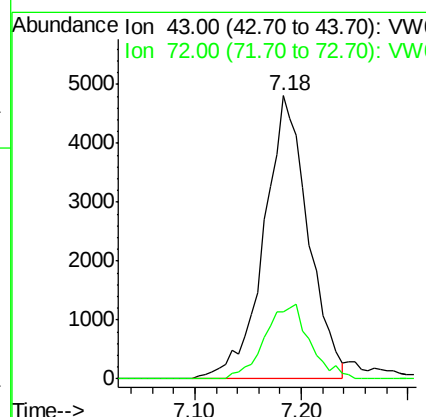
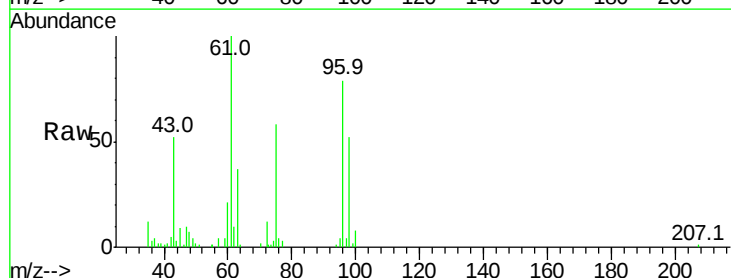
Acq: 28 Sep 2018 13:11

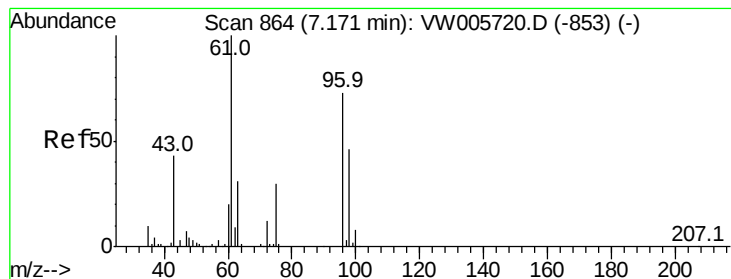
Tgt Ion: 43 Resp: 13904

Ion Ratio Lower Upper

43 100

72 26.8 13.2 39.6





#22

cis-1,2-Dichloroethene

Concen: 5.328 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW005719.D

Acq: 28 Sep 2018 13:11

Instrument :
MSVOA_W
ClientSampleId :
VSTD00581

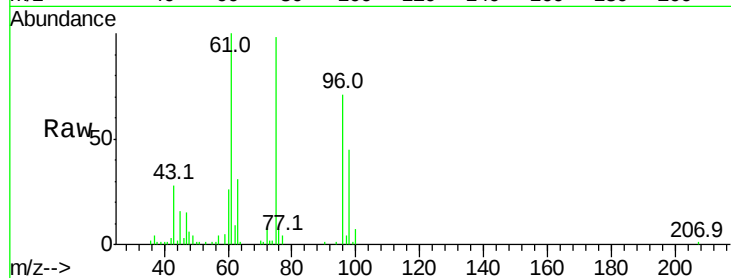
Tgt Ion: 96 Resp: 22146

Ion Ratio Lower Upper

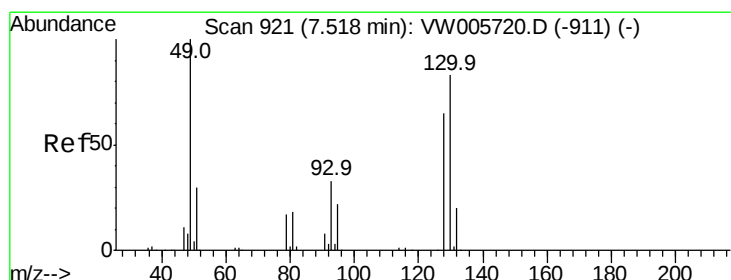
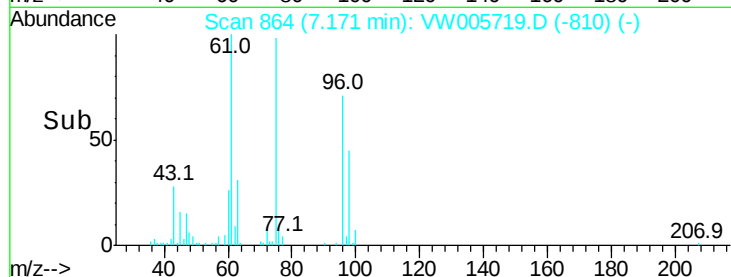
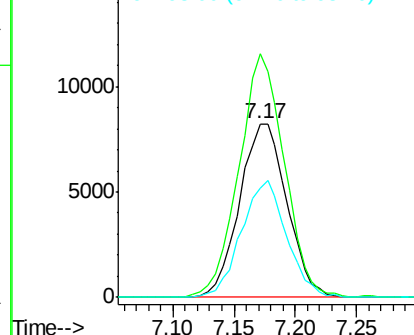
96 100

61 140.3 95.7 177.7

98 62.6 44.1 81.9



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: 5.729 ug/L

RT: 7.52 min Scan# 921

Delta R.T. 0.00 min

Lab File: VW005719.D

Acq: 28 Sep 2018 13:11

Tgt Ion: 128 Resp: 10589

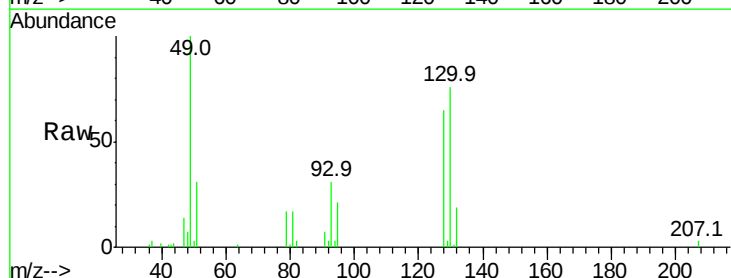
Ion Ratio Lower Upper

128 100

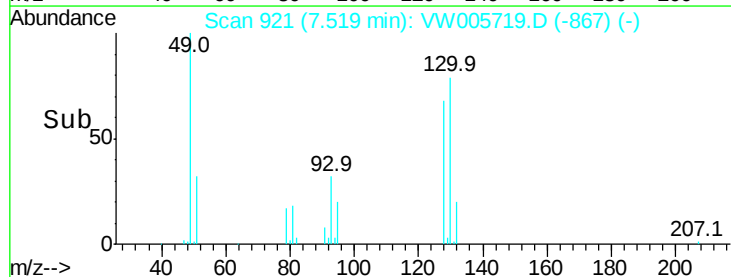
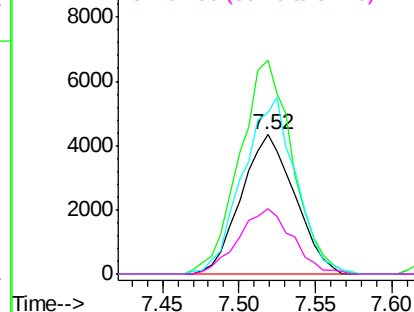
49 153.3 108.1 200.7

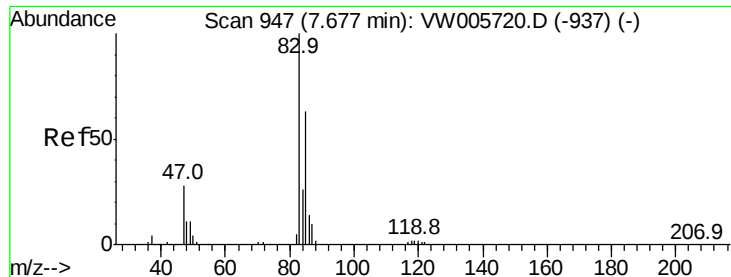
130 115.9 89.3 165.9

51 47.3 37.0 55.4



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: 5.474 ug/L

RT: 7.68 min Scan# 948

Delta R.T. 0.01 min

Lab File: VW005719.D

Acq: 28 Sep 2018 13:11

Instrument :

MSVOA_W

ClientSampleId :

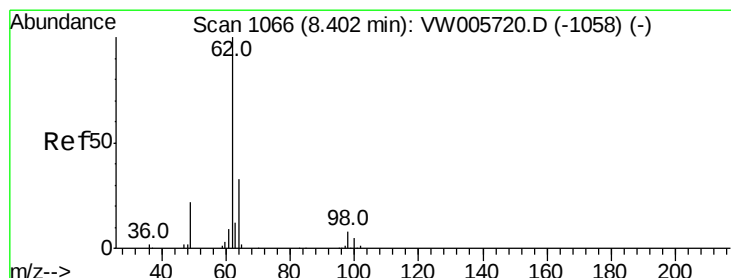
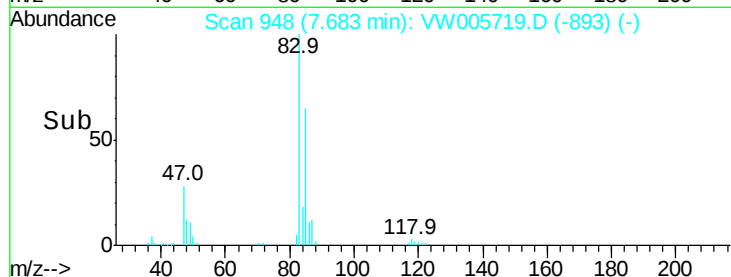
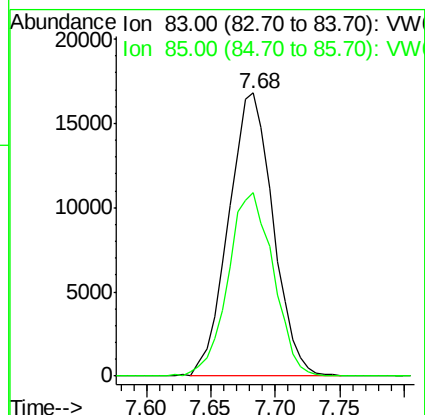
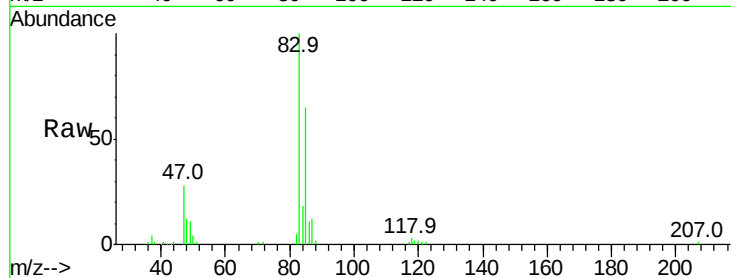
VSTD00581

Tgt Ion: 83 Resp: 40397

Ion Ratio Lower Upper

83 100

85 65.7 46.0 85.4



#27

1,2-Dichloroethane

Concen: 5.396 ug/L

RT: 8.41 min Scan# 1067

Delta R.T. 0.01 min

Lab File: VW005719.D

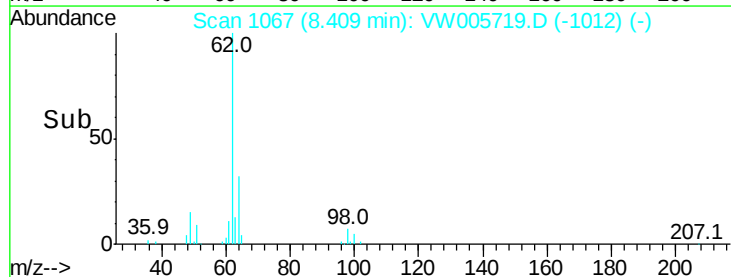
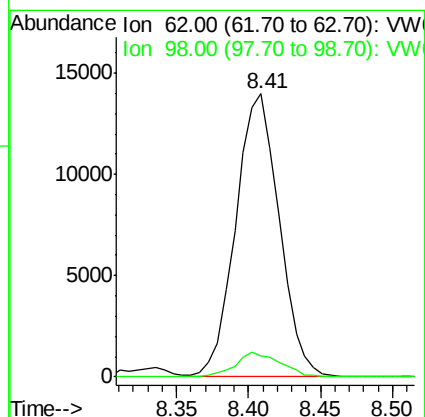
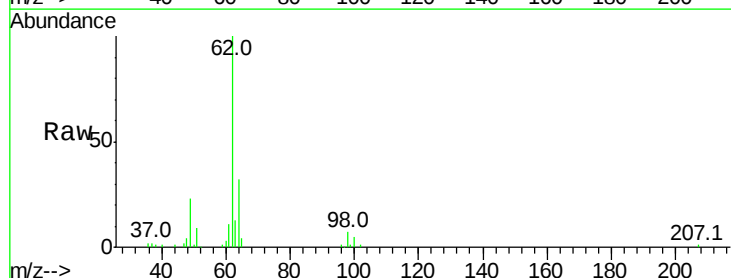
Acq: 28 Sep 2018 13:11

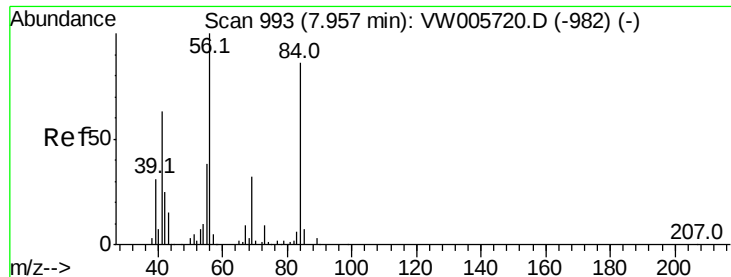
Tgt Ion: 62 Resp: 29382

Ion Ratio Lower Upper

62 100

98 7.4 6.2 9.2

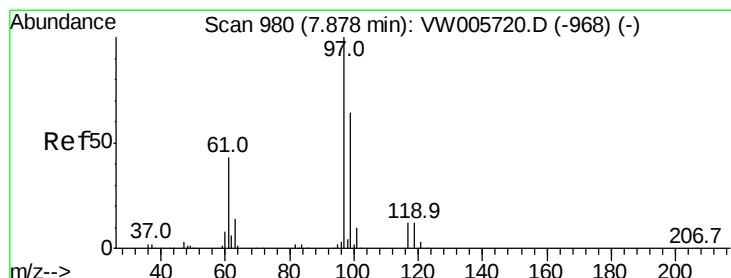
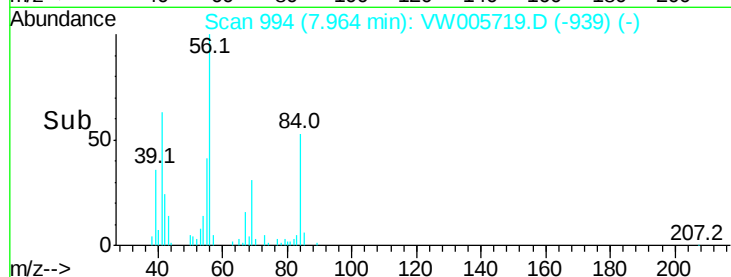
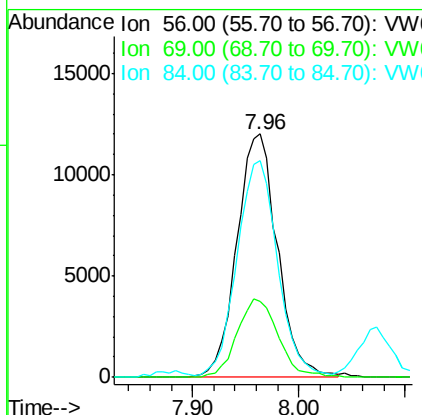
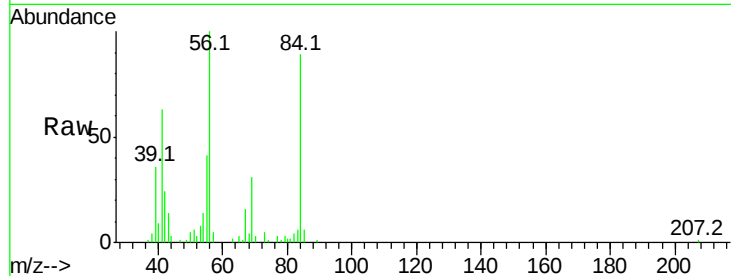




#30
Cyclohexane
Concen: 4.564 ug/L
RT: 7.96 min Scan# 994
Delta R.T. 0.01 min
Lab File: VW005719.D
Acq: 28 Sep 2018 13:11

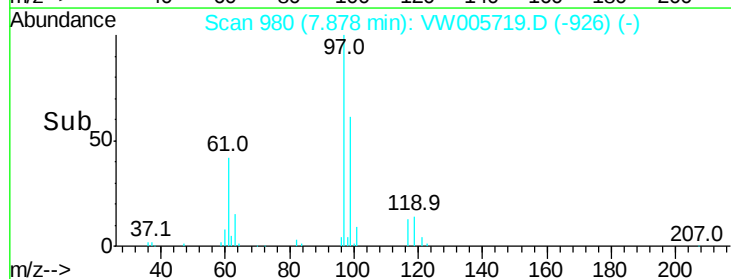
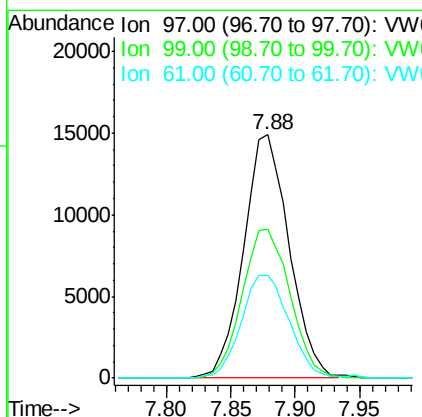
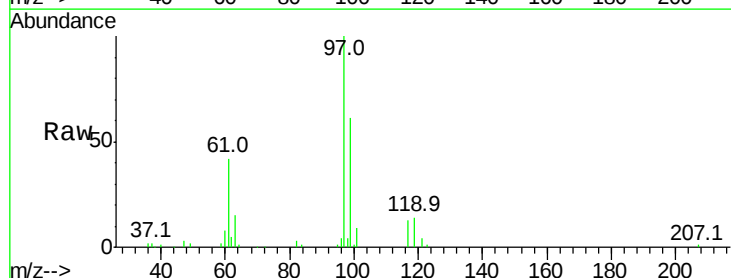
Instrument :
MSVOA_W
ClientSampleId :
VSTD00581

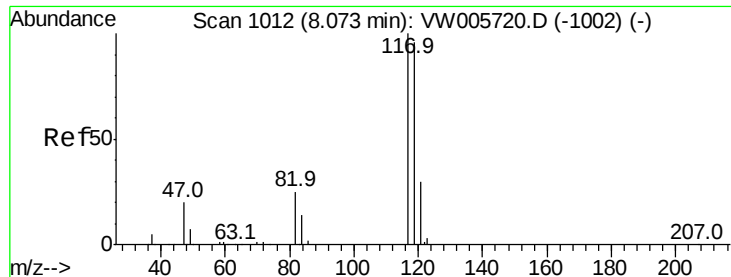
Tgt Ion: 56 Resp: 32191
Ion Ratio Lower Upper
56 100
69 32.4 25.0 37.6
84 89.7 70.2 105.2



#31
1,1,1-Trichloroethane
Concen: 5.905 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW005719.D
Acq: 28 Sep 2018 13:11

Tgt Ion: 97 Resp: 36452
Ion Ratio Lower Upper
97 100
99 64.3 51.8 77.8
61 44.5 35.4 53.2





#32

Carbon tetrachloride

Concen: 5.987 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW005719.D

Acq: 28 Sep 2018 13:11

Instrument :

MSVOA_W

ClientSampleId :

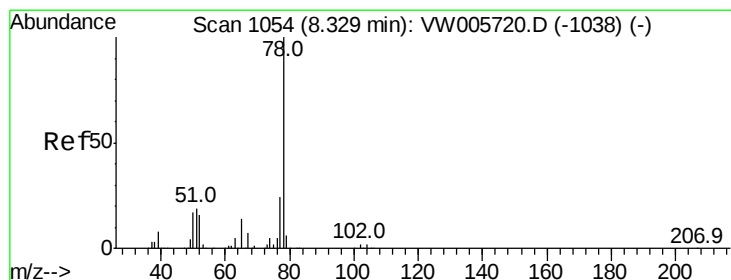
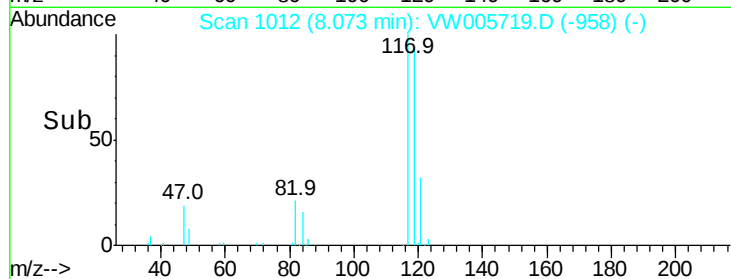
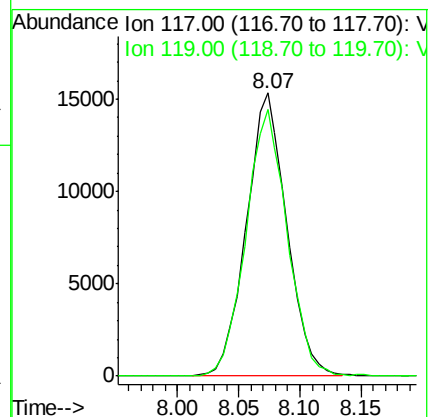
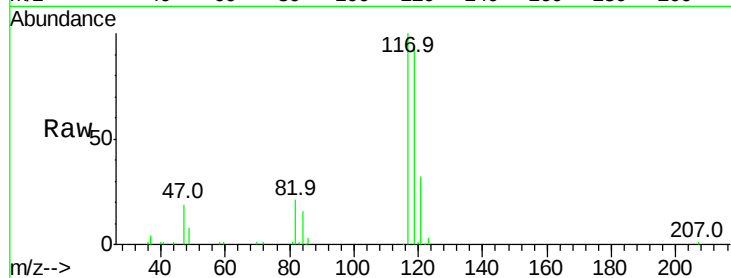
VSTD00581

Tgt Ion:117 Resp: 35213

Ion Ratio Lower Upper

117 100

119 95.6 76.9 115.3



#34

Benzene

Concen: 5.211 ug/L

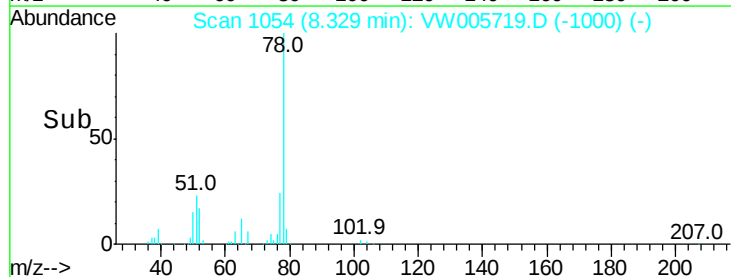
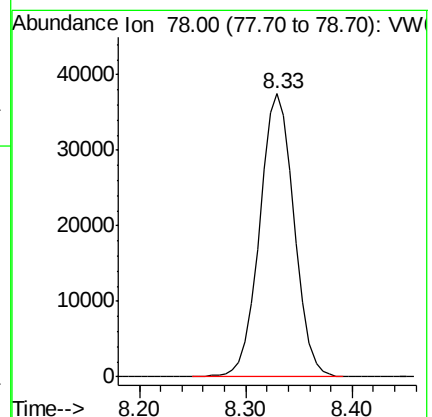
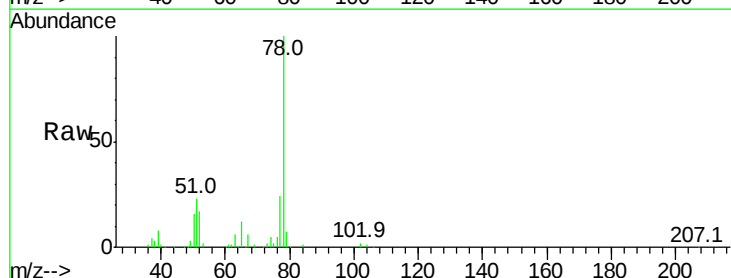
RT: 8.33 min Scan# 1054

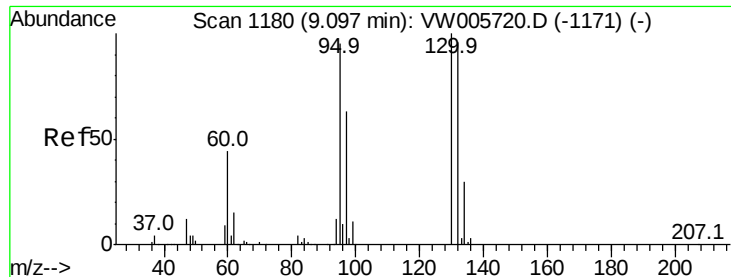
Delta R.T. 0.00 min

Lab File: VW005719.D

Acq: 28 Sep 2018 13:11

Tgt Ion: 78 Resp: 84995





#35

Trichloroethene

Concen: 5.376 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VW005719.D

Acq: 28 Sep 2018 13:11

Instrument :

MSVOA_W

ClientSampled :

VSTD00581

Tgt Ion: 95 Resp: 22681

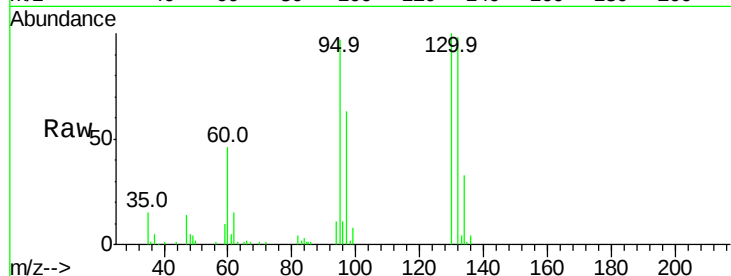
Ion Ratio Lower Upper

95 100

97 65.2 45.2 84.0

132 98.1 68.0 126.4

130 102.6 71.3 132.5

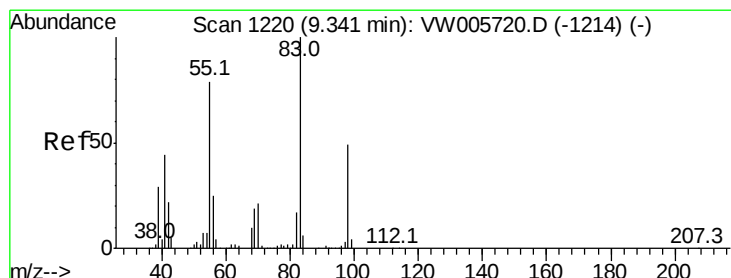
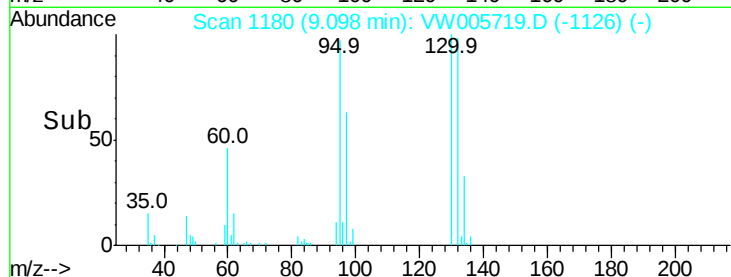
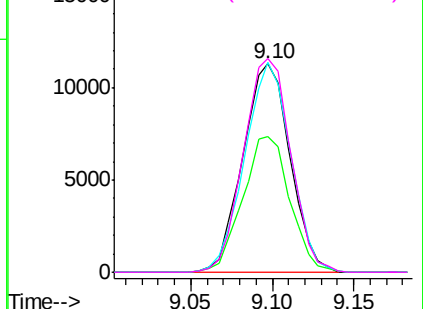


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 5.120 ug/L

RT: 9.34 min Scan# 1220

Delta R.T. 0.00 min

Lab File: VW005719.D

Acq: 28 Sep 2018 13:11

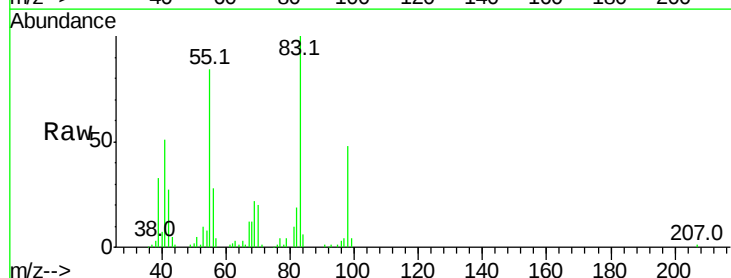
Tgt Ion: 83 Resp: 38722

Ion Ratio Lower Upper

83 100

55 82.1 62.5 93.7

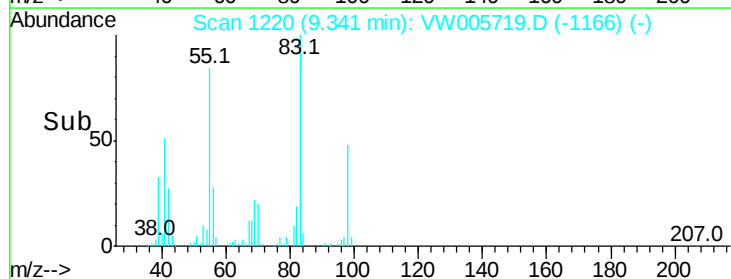
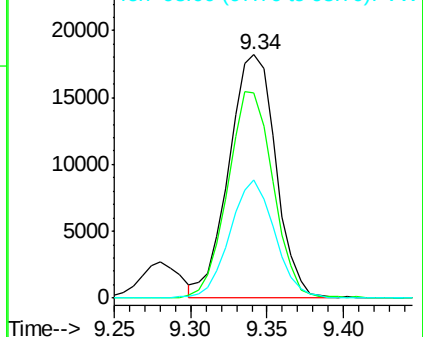
98 46.2 37.7 56.5

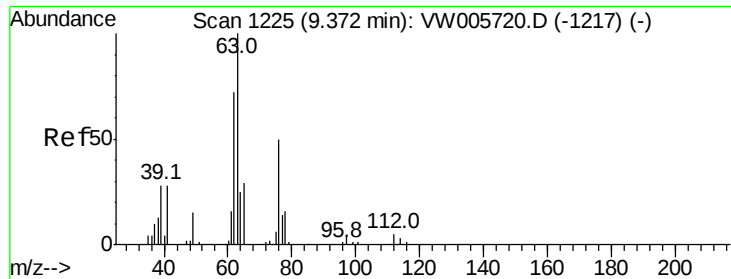


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 4.970 ug/L

RT: 9.38 min Scan# 1226

Delta R.T. 0.01 min

Lab File: VW005719.D

Acq: 28 Sep 2018 13:11

Instrument :

MSVOA_W

ClientSampleId :

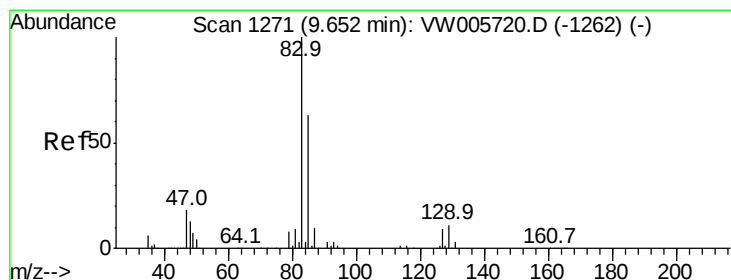
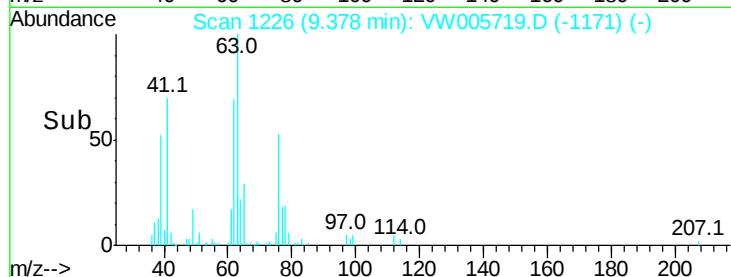
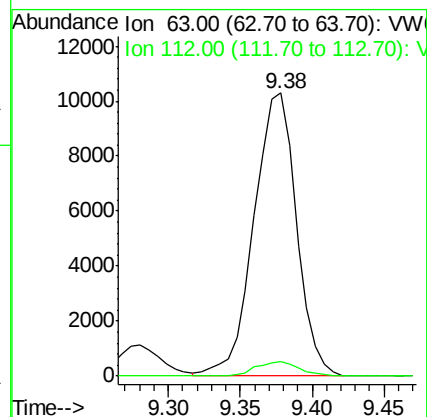
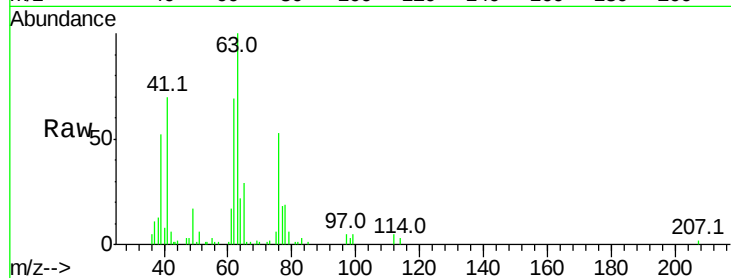
VSTD00581

Tgt Ion: 63 Resp: 21049

Ion Ratio Lower Upper

63 100

112 5.2 3.4 5.2#



#41

Bromodichloromethane

Concen: 5.364 ug/L

RT: 9.65 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VW005719.D

Acq: 28 Sep 2018 13:11

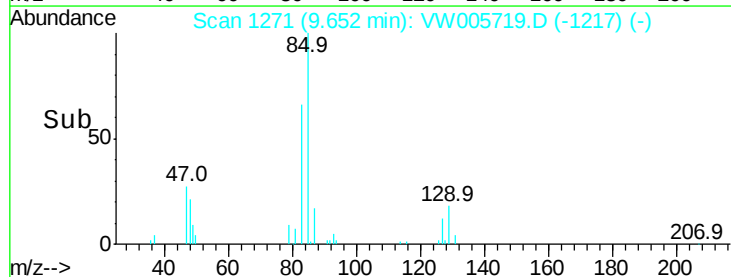
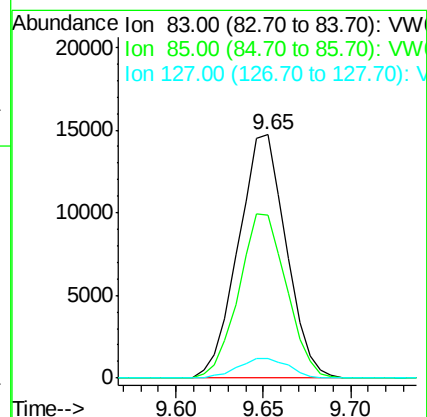
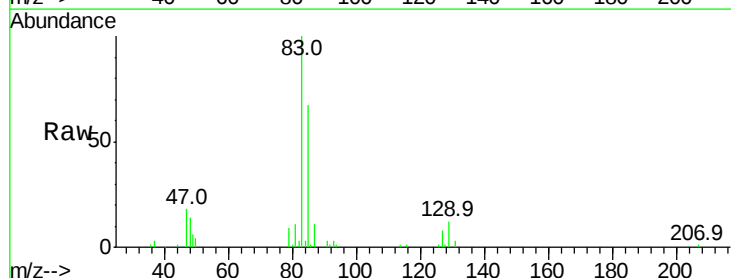
Tgt Ion: 83 Resp: 28012

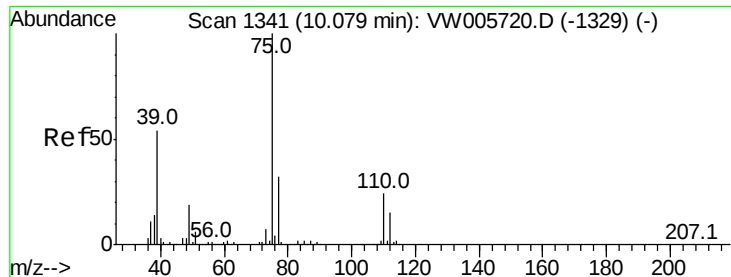
Ion Ratio Lower Upper

83 100

85 67.2 44.1 81.9

127 8.2 7.5 11.3





#42

cis-1,3-Dichloropropene

Concen: 5.084 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VW005719.D

Acq: 28 Sep 2018 13:11

Instrument :

MSVOA_W

ClientSampleId :

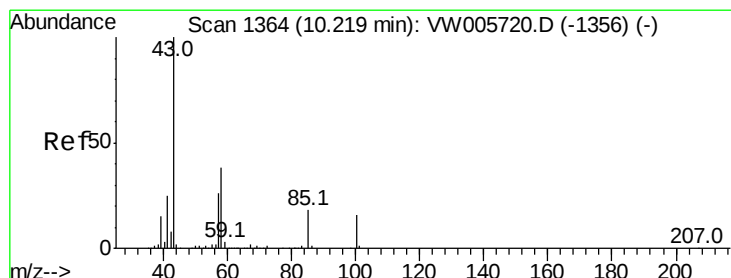
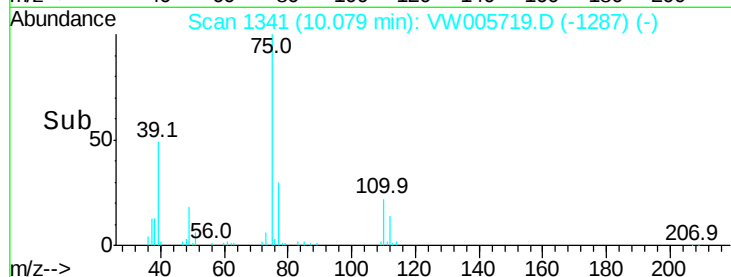
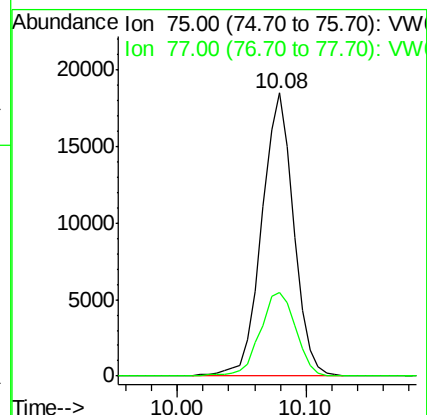
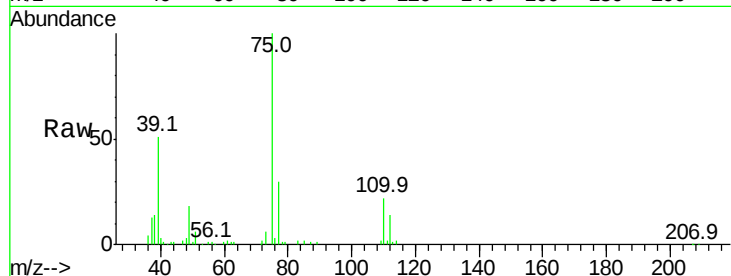
VSTD00581

Tgt Ion: 75 Resp: 31657

Ion Ratio Lower Upper

75 100

77 29.8 22.3 41.3



#43

4-Methyl-2-pentanone

Concen: 8.309 ug/L

RT: 10.22 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VW005719.D

Acq: 28 Sep 2018 13:11

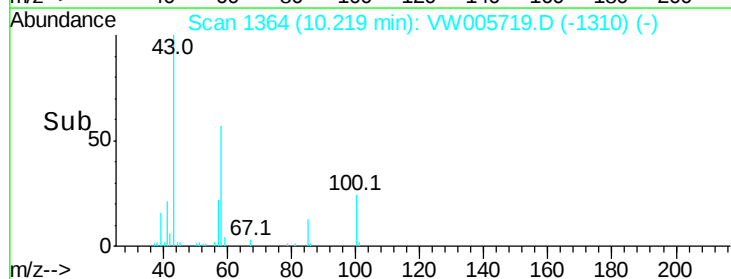
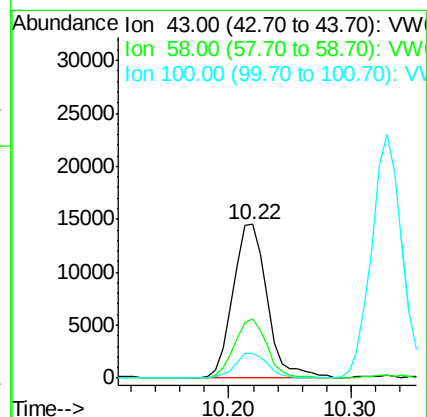
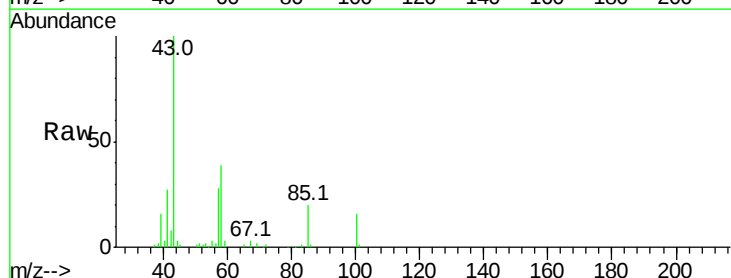
Tgt Ion: 43 Resp: 28227

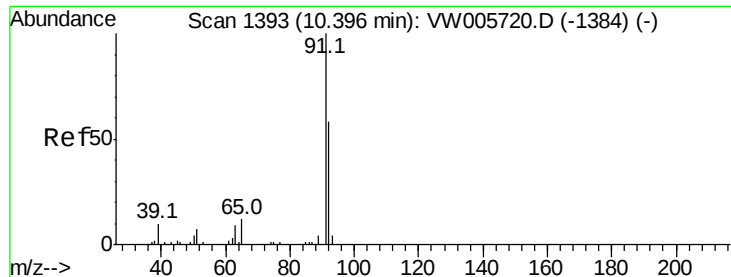
Ion Ratio Lower Upper

43 100

58 35.9 29.8 44.8

100 15.2 12.2 18.4





#44

Toluene

Concen: 5.427 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VW005719.D

Acq: 28 Sep 2018 13:11

Instrument :

MSVOA_W

ClientSampleId :

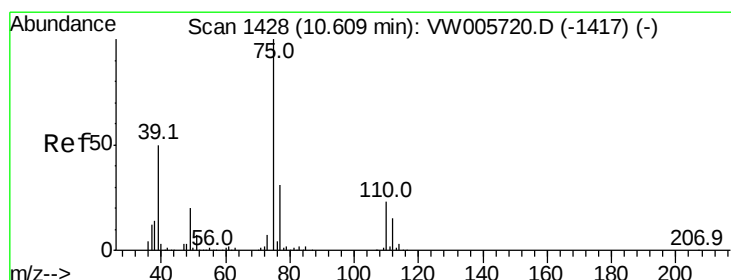
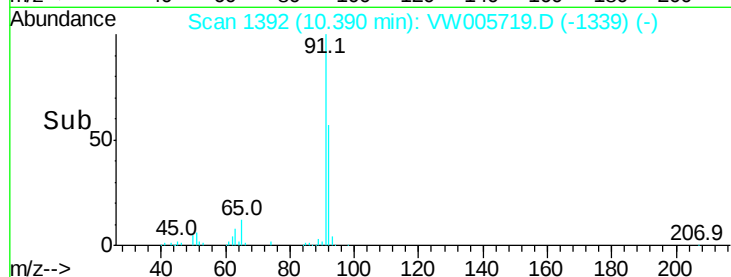
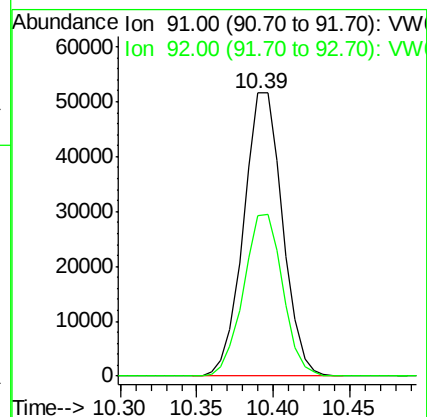
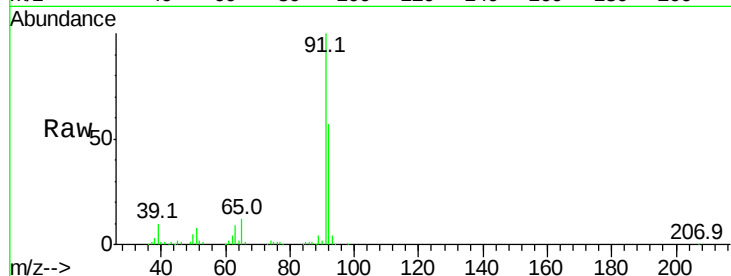
VSTD00581

Tgt Ion: 91 Resp: 91542

Ion Ratio Lower Upper

91 100

92 56.9 40.7 75.5



#45

trans-1,3-Dichloropropene

Concen: 5.106 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW005719.D

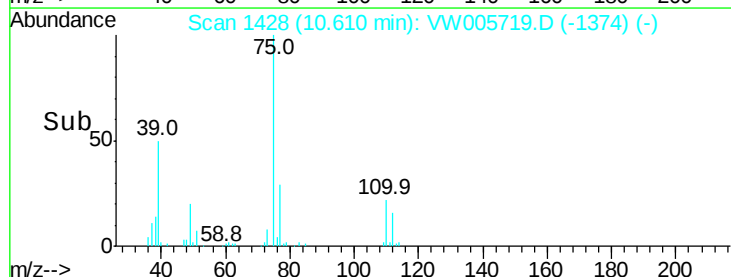
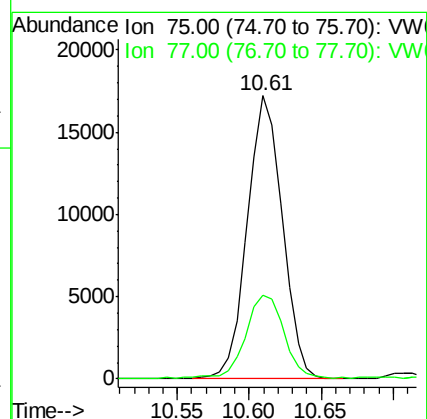
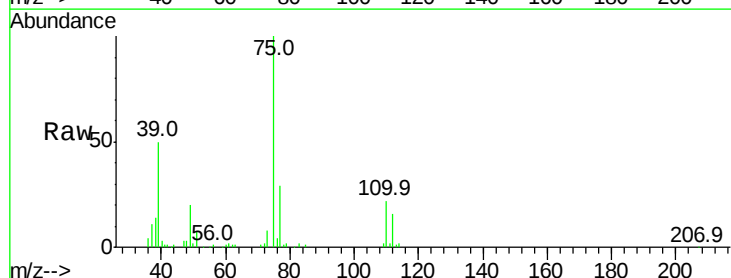
Acq: 28 Sep 2018 13:11

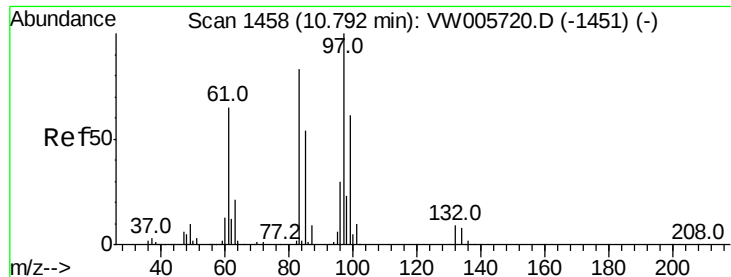
Tgt Ion: 75 Resp: 29032

Ion Ratio Lower Upper

75 100

77 29.4 22.1 41.1

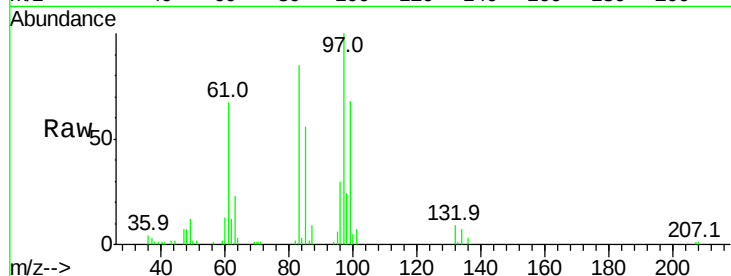




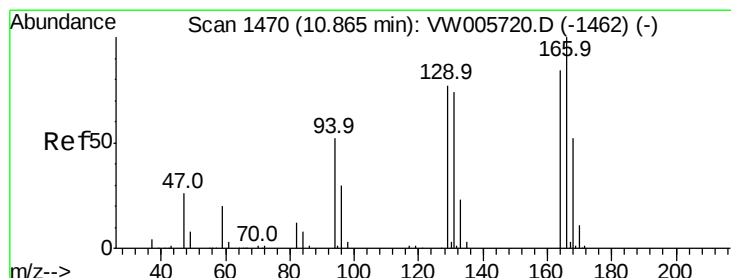
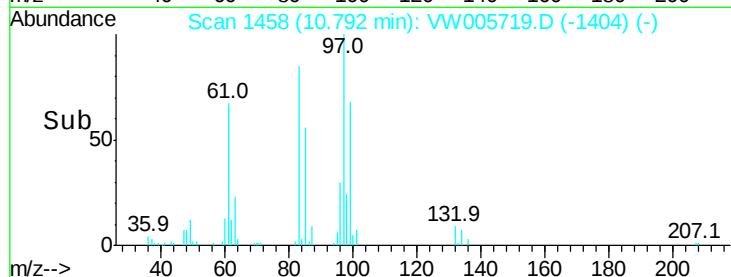
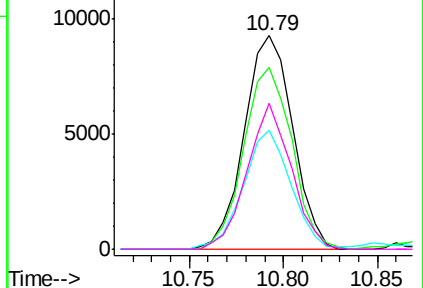
#46
 1,1,2-Trichloroethane
 Concen: 5.276 ug/L
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW005719.D
 Acq: 28 Sep 2018 13:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00581

Tgt Ion: 97 Resp: 16564
 Ion Ratio Lower Upper
 97 100
 83 85.4 58.3 108.3
 85 55.7 38.0 70.6
 99 68.5 42.8 79.4



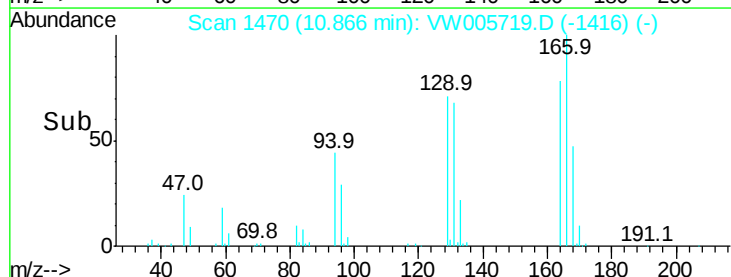
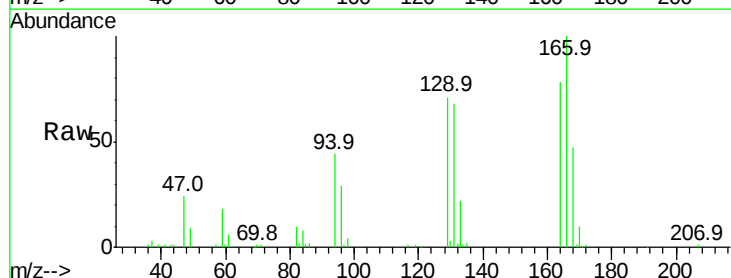
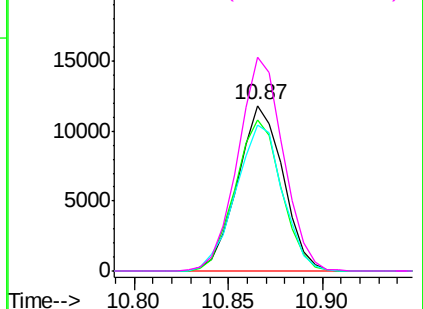
Abundance Ion 97.00 (96.70 to 97.70): VW
 Ion 83.00 (82.70 to 83.70): VW
 Ion 85.00 (84.70 to 85.70): VW
 Ion 99.00 (98.70 to 99.70): VW

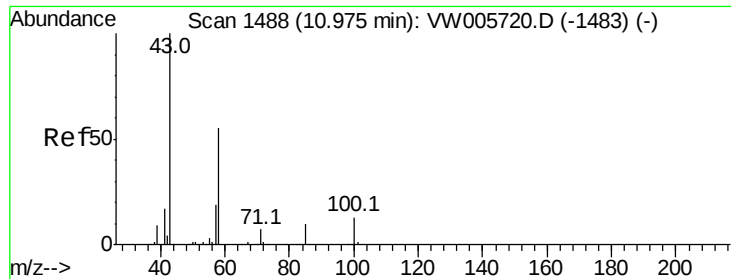


#47
 Tetrachloroethene
 Concen: 5.755 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VW005719.D
 Acq: 28 Sep 2018 13:11

Tgt Ion: 164 Resp: 19799
 Ion Ratio Lower Upper
 164 100
 129 91.2 63.8 118.4
 131 87.8 61.5 114.3
 166 129.0 83.2 154.6

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

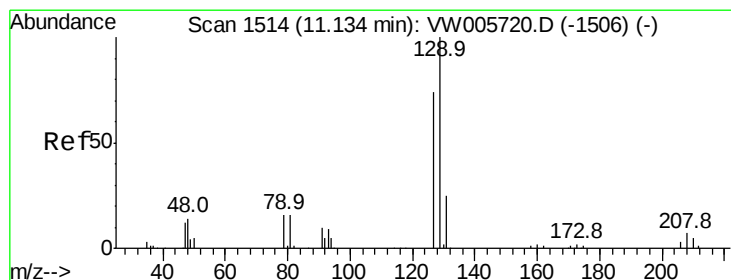
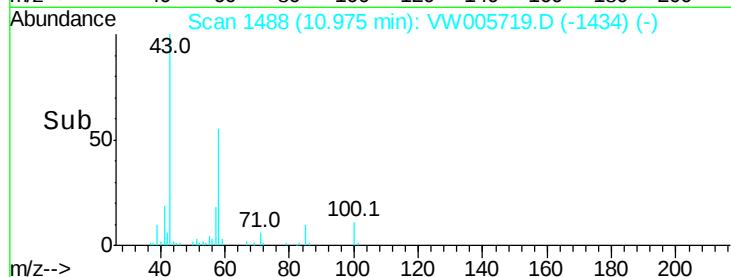
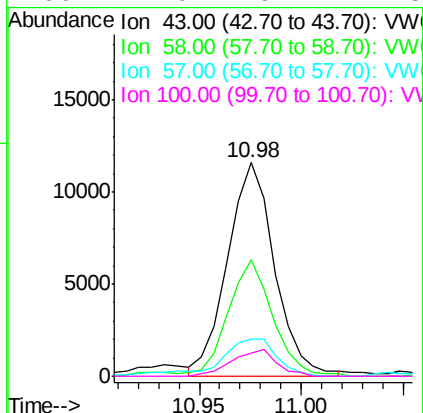
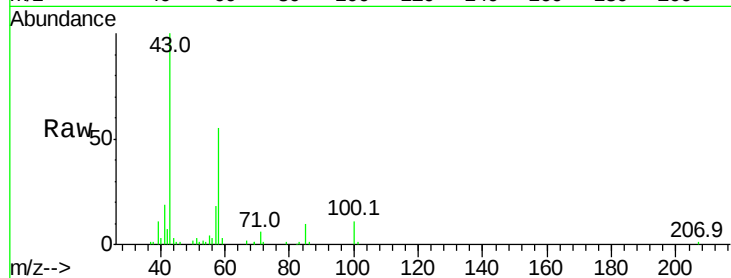




#49
2-Hexanone
Concen: 7.553 ug/L
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW005719.D
Acq: 28 Sep 2018 13:11

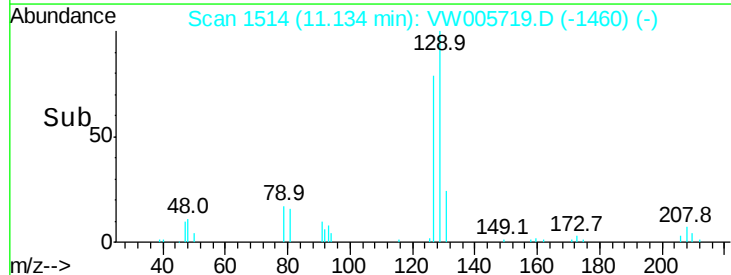
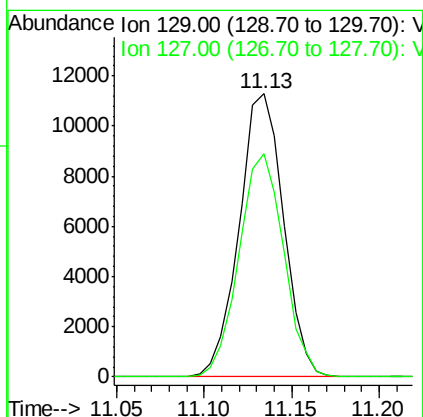
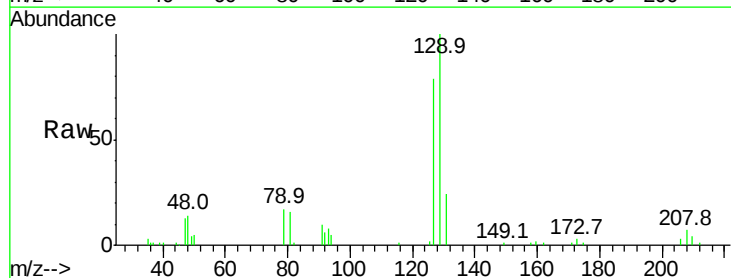
Instrument :
MSVOA_W
ClientSampleId :
VSTD00581

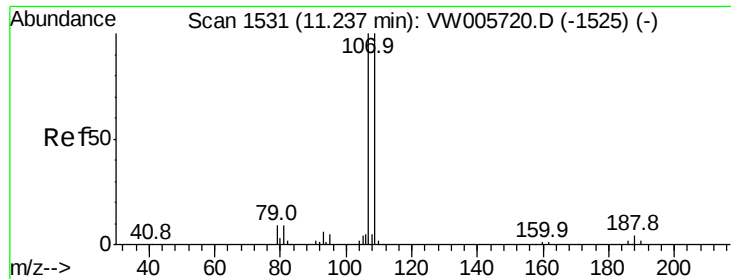
Tgt Ion: 43 Resp: 18540
Ion Ratio Lower Upper
43 100
58 51.4 42.0 63.0
57 18.5 15.7 23.5
100 12.0 9.7 14.5



#50
Dibromochloromethane
Concen: 5.397 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW005719.D
Acq: 28 Sep 2018 13:11

Tgt Ion: 129 Resp: 19929
Ion Ratio Lower Upper
129 100
127 78.8 51.7 95.9

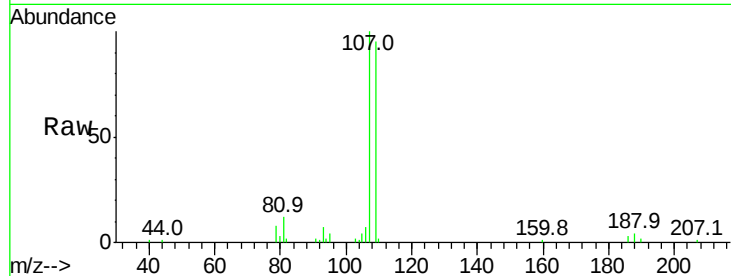




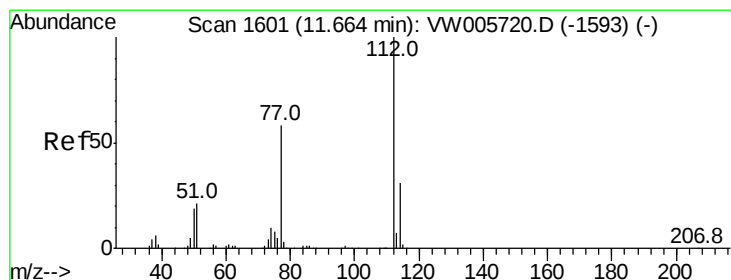
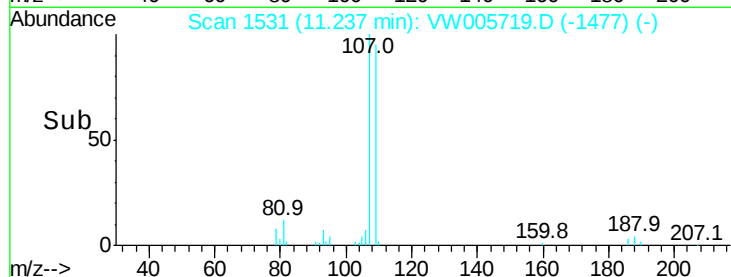
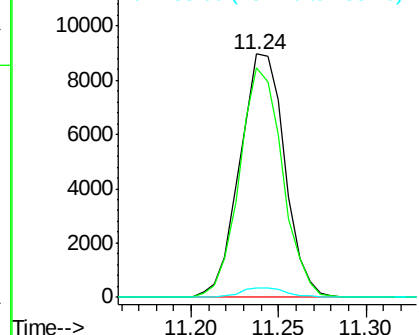
#51
 1,2-Dibromoethane
 Concen: 5.401 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW005719.D
 Acq: 28 Sep 2018 13:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00581

Tgt Ion:107 Resp: 16038
 Ion Ratio Lower Upper
 107 100
 109 94.5 70.1 130.3
 188 3.7 3.4 5.2

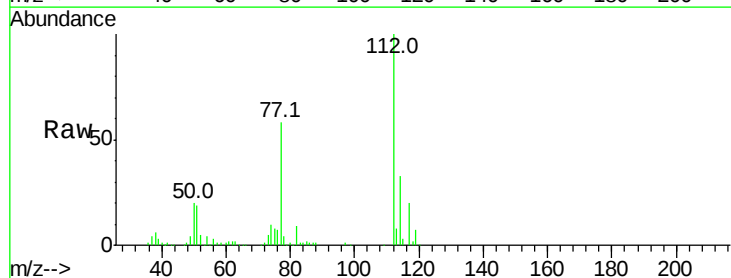


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

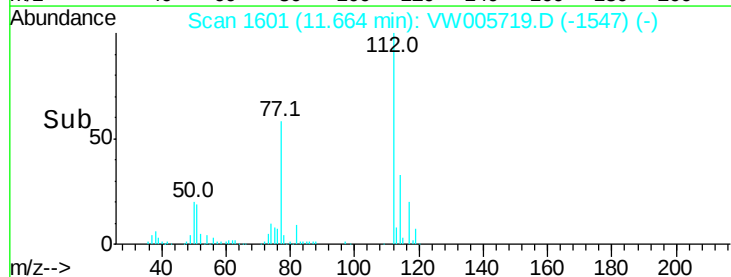
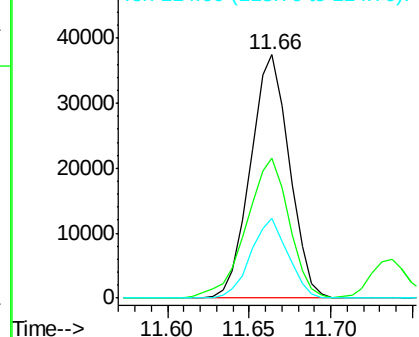


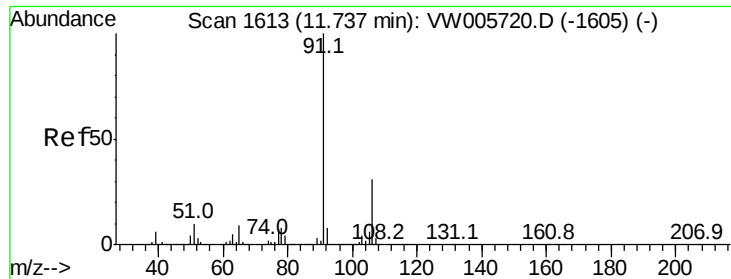
#52
 Chlorobenzene
 Concen: 5.701 ug/L
 RT: 11.66 min Scan# 1601
 Delta R.T. 0.00 min
 Lab File: VW005719.D
 Acq: 28 Sep 2018 13:11

Tgt Ion:112 Resp: 62307
 Ion Ratio Lower Upper
 112 100
 77 57.6 46.7 70.1
 114 32.9 21.8 40.6



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

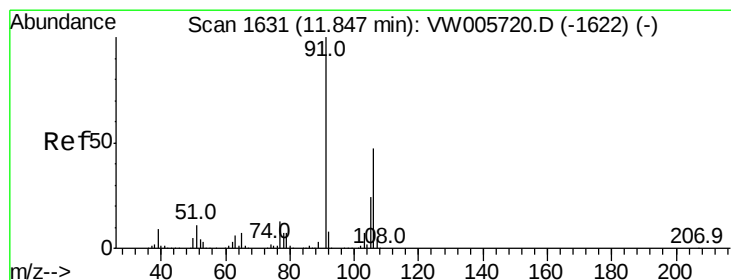
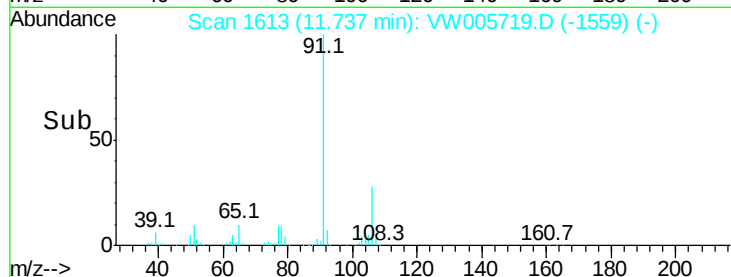
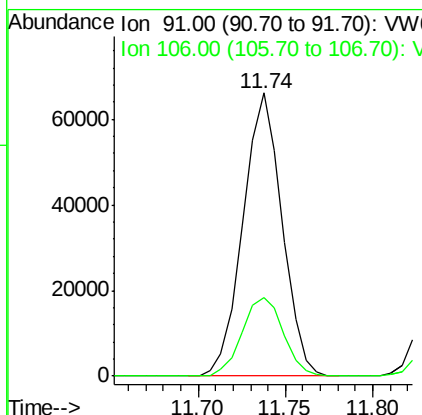
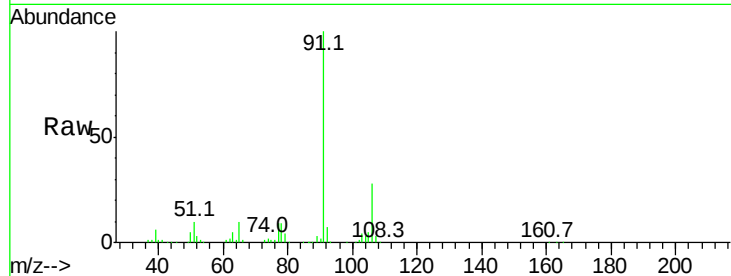




#53
Ethylbenzene
Concen: 5.247 ug/L
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW005719.D
Acq: 28 Sep 2018 13:11

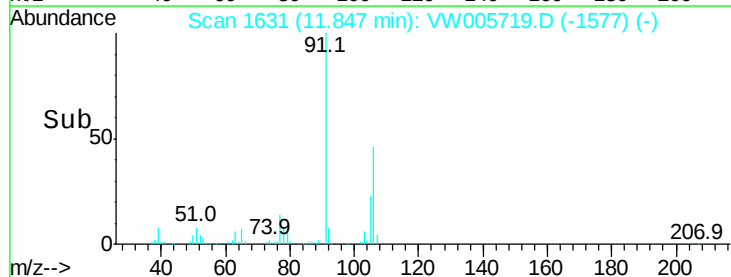
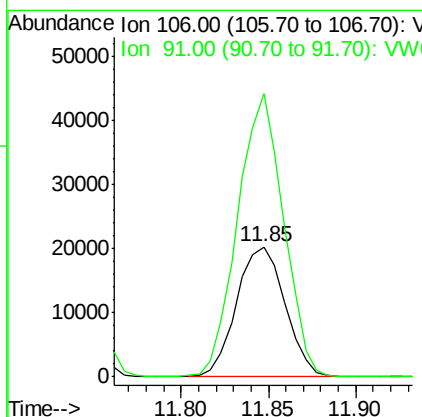
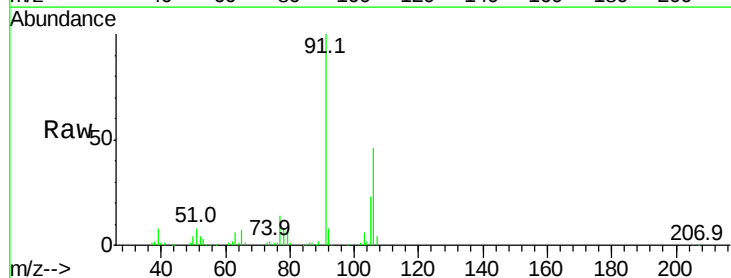
Instrument :
MSVOA_W
ClientSampleId :
VSTD00581

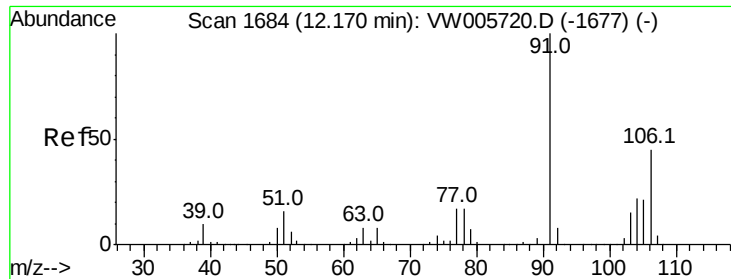
Tgt Ion: 91 Resp: 102797
Ion Ratio Lower Upper
91 100
106 27.9 21.5 39.9



#54
m,p-Xylene
Concen: 5.451 ug/L
RT: 11.85 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VW005719.D
Acq: 28 Sep 2018 13:11

Tgt Ion:106 Resp: 39204
Ion Ratio Lower Upper
106 100
91 217.3 147.7 274.3

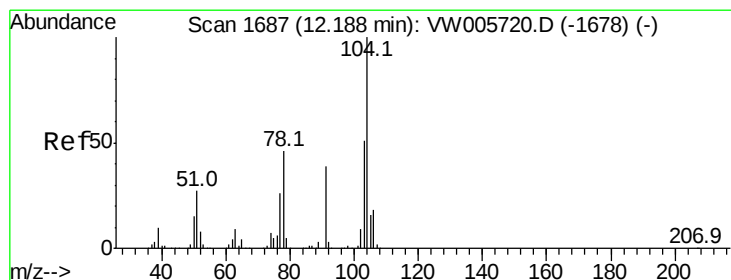
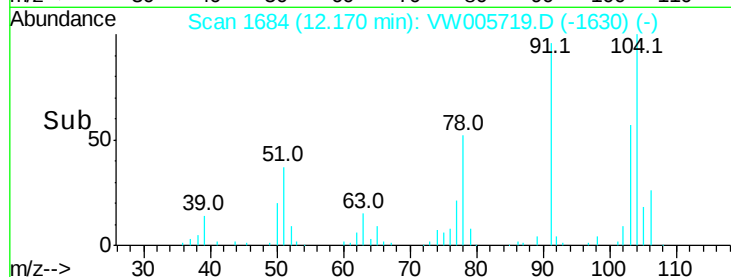
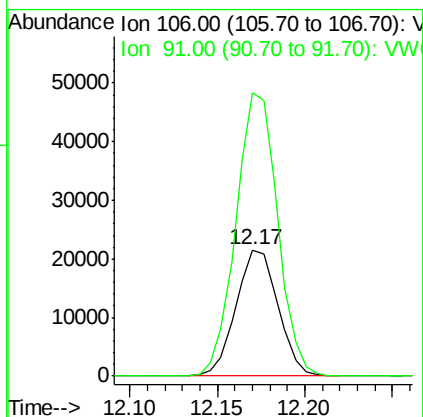
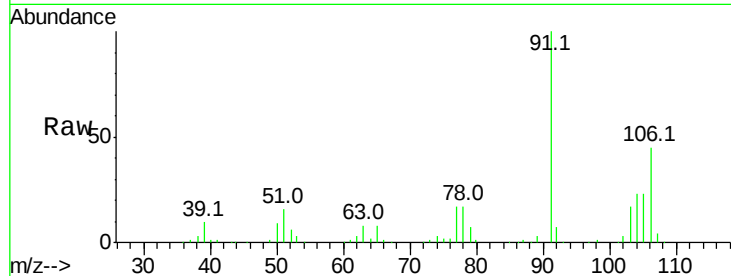




#55
o-xylene
Concen: 5.293 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW005719.D
Acq: 28 Sep 2018 13:11

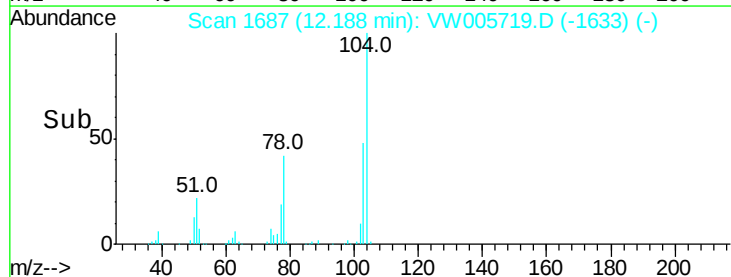
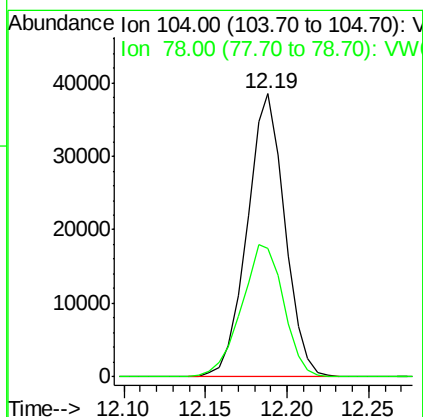
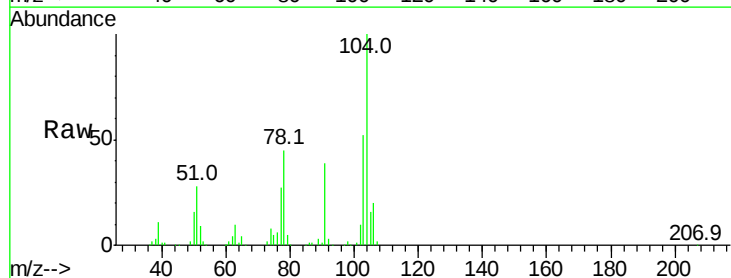
Instrument :
MSVOA_W
ClientSampleId :
VSTD00581

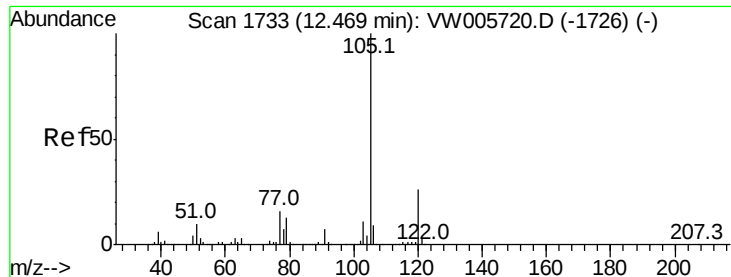
Tgt Ion:106 Resp: 36036
Ion Ratio Lower Upper
106 100
91 224.1 156.5 290.7



#56
Styrene
Concen: 5.291 ug/L
RT: 12.19 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VW005719.D
Acq: 28 Sep 2018 13:11

Tgt Ion:104 Resp: 61962
Ion Ratio Lower Upper
104 100
78 45.2 32.2 59.8





#57

Isopropylbenzene

Concen: 5.409 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW005719.D

Acq: 28 Sep 2018 13:11

Instrument :

MSVOA_W

ClientSampleId :

VSTD00581

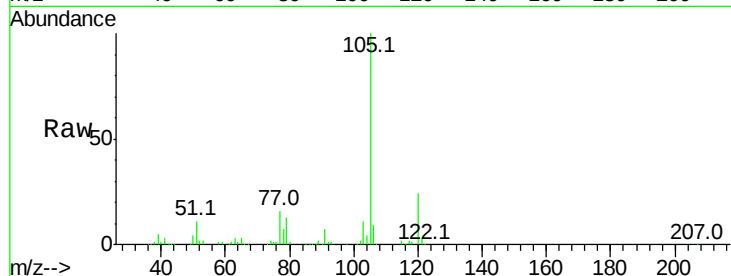
Tgt Ion:105 Resp: 103081

Ion Ratio Lower Upper

105 100

120 25.1 20.7 31.1

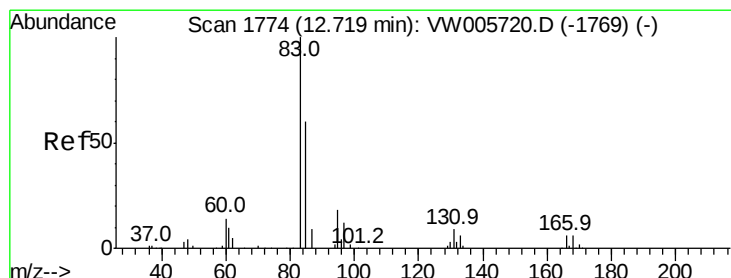
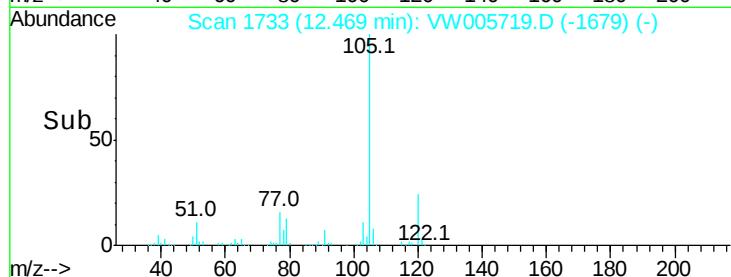
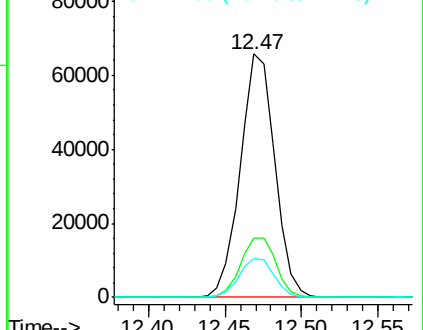
77 16.3 13.0 19.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.612 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW005719.D

Acq: 28 Sep 2018 13:11

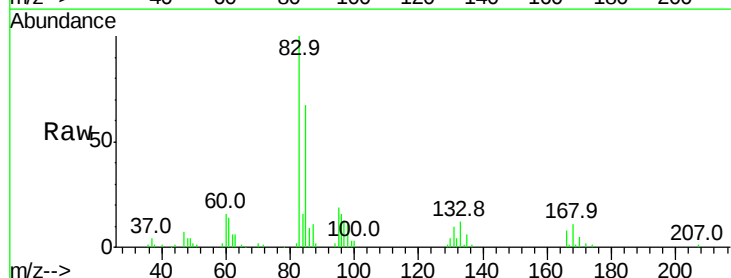
Tgt Ion: 83 Resp: 19690

Ion Ratio Lower Upper

83 100

85 67.2 43.0 80.0

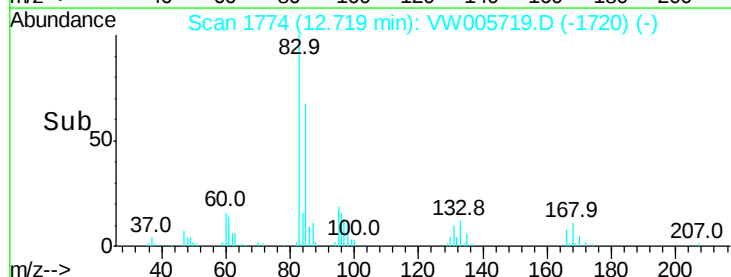
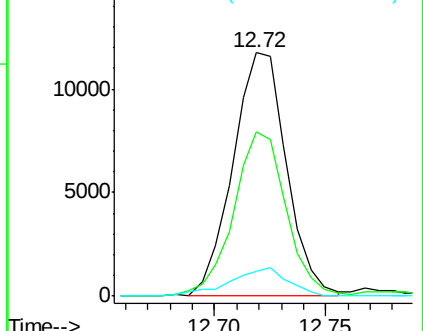
131 10.3 8.0 12.0

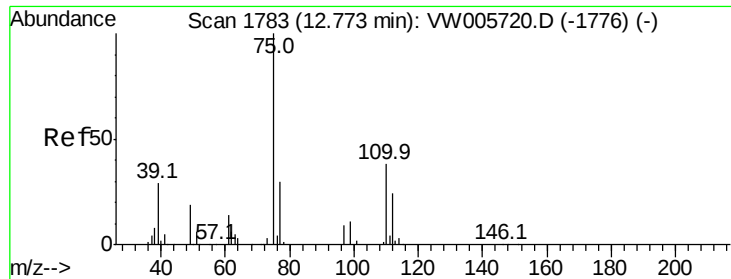


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 4.670 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW005719.D

Acq: 28 Sep 2018 13:11

Instrument :

MSVOA_W

ClientSampled :

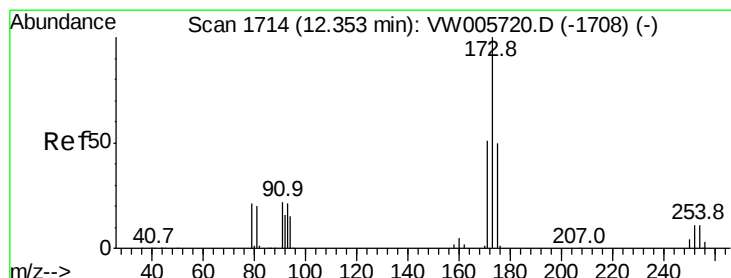
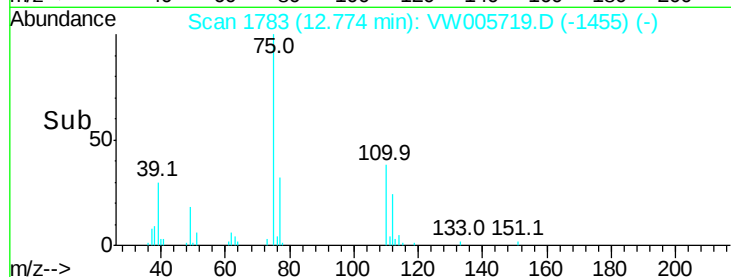
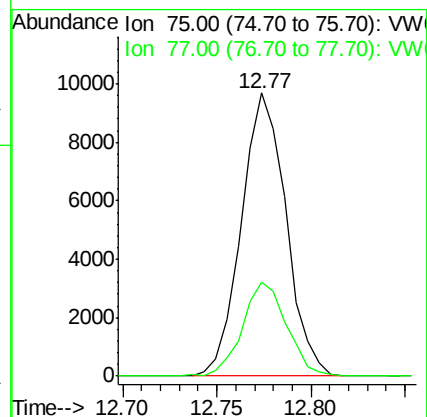
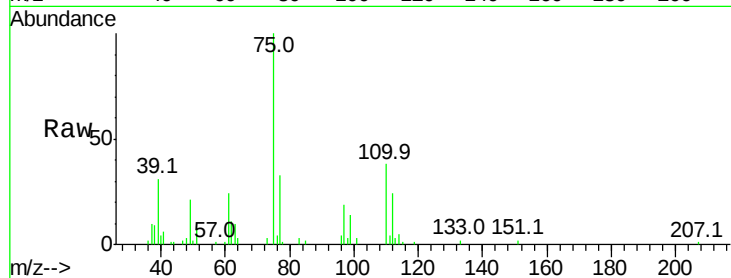
VSTD00581

Tgt Ion: 75 Resp: 15905

Ion Ratio Lower Upper

75 100

77 32.7 25.2 37.8



#62

Bromoform

Concen: 5.191 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW005719.D

Acq: 28 Sep 2018 13:11

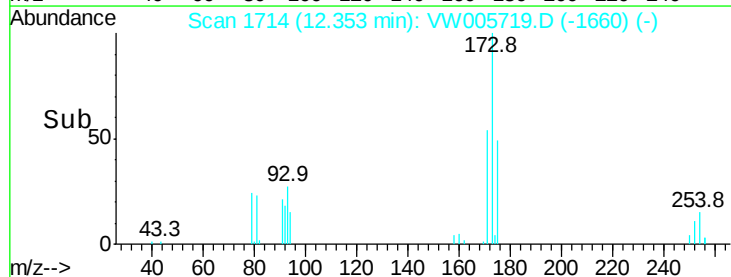
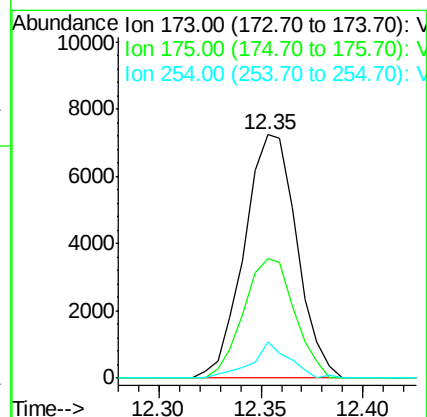
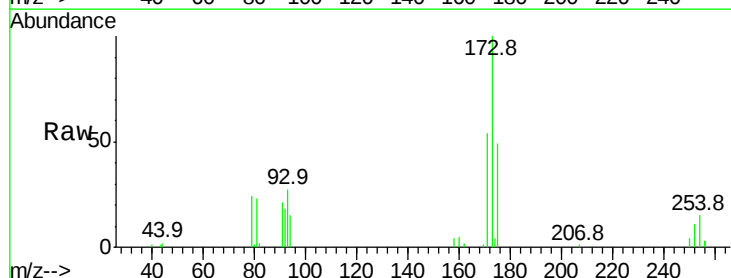
Tgt Ion: 173 Resp: 12937

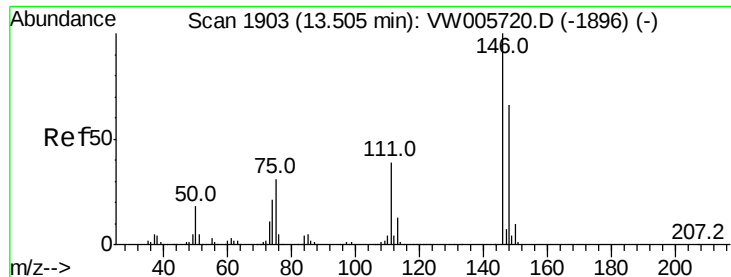
Ion Ratio Lower Upper

173 100

175 47.6 40.0 60.0

254 10.5 8.6 13.0

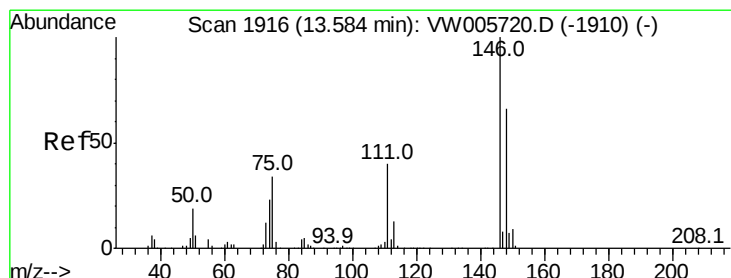
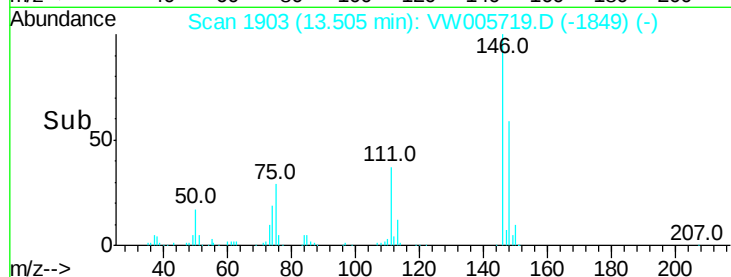
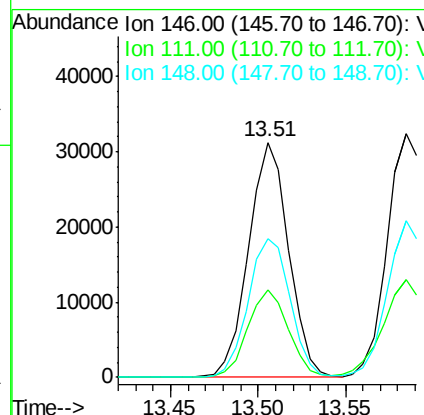
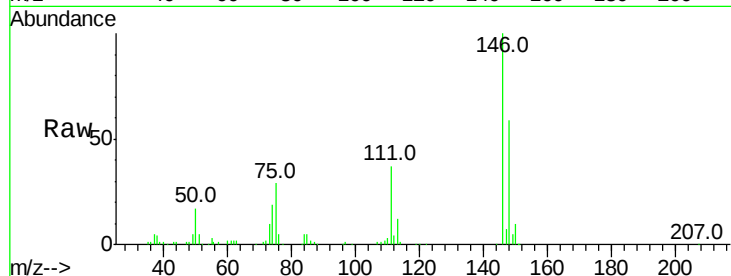




#63
 1,3-Dichlorobenzene
 Concen: 5.469 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW005719.D
 Acq: 28 Sep 2018 13:11

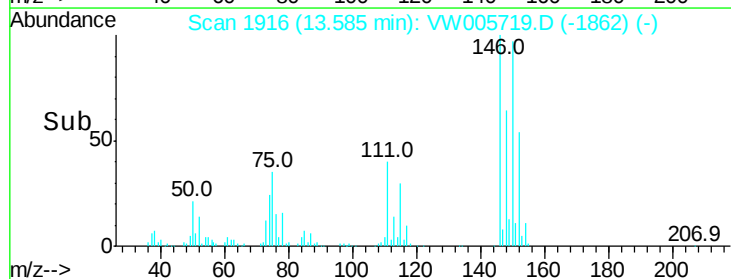
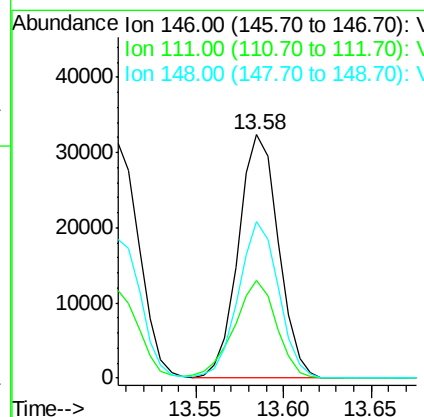
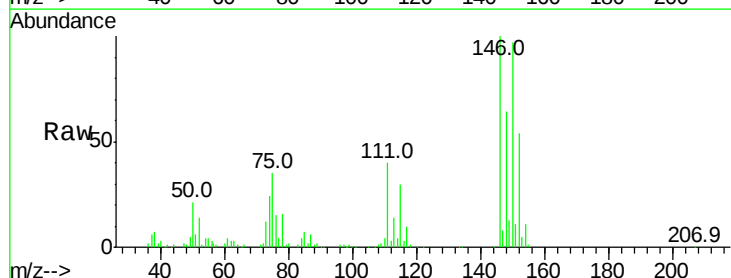
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00581

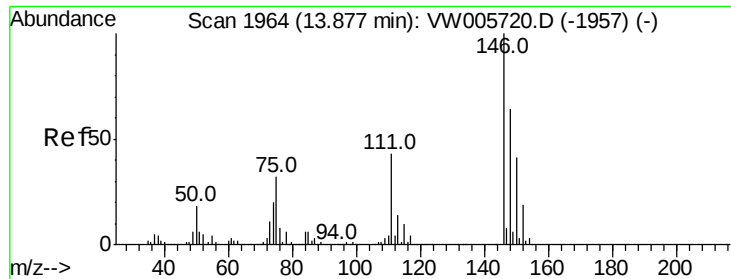
Tgt Ion:146 Resp: 49686
 Ion Ratio Lower Upper
 146 100
 111 37.1 27.2 50.6
 148 59.2 46.2 85.8



#64
 1,4-Dichlorobenzene
 Concen: 5.546 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW005719.D
 Acq: 28 Sep 2018 13:11

Tgt Ion:146 Resp: 51742
 Ion Ratio Lower Upper
 146 100
 111 40.2 28.4 52.8
 148 64.3 46.3 86.1

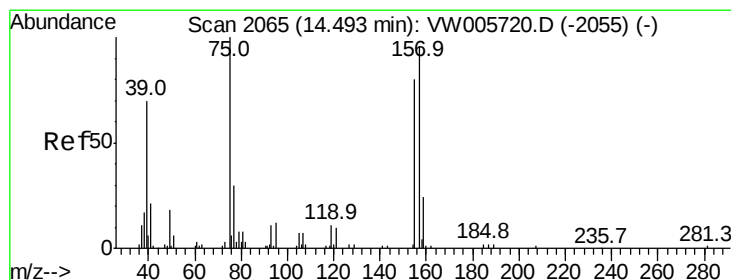
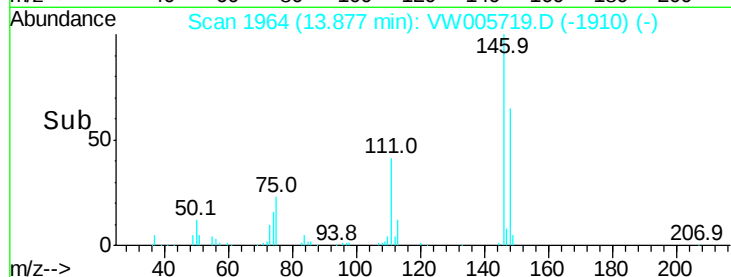
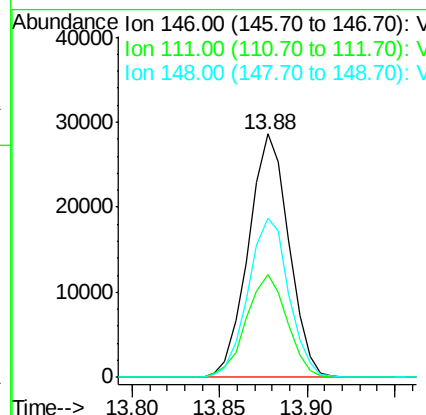
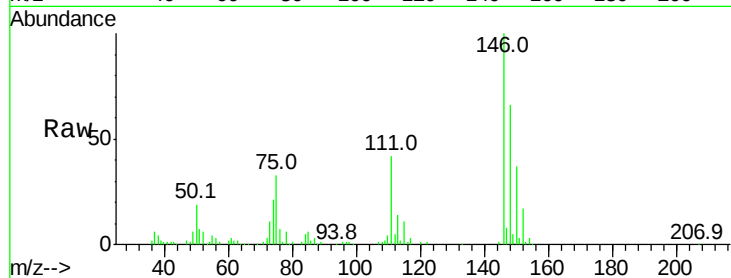




#65
 1,2-Dichlorobenzene
 Concen: 5.394 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW005719.D
 Acq: 28 Sep 2018 13:11

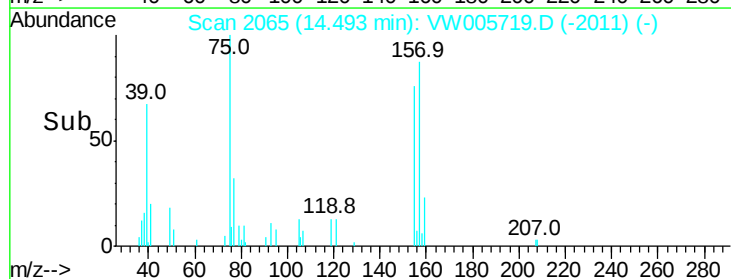
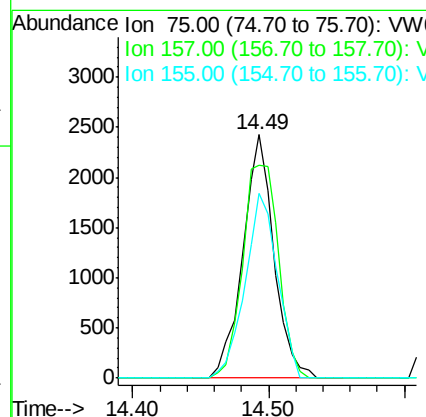
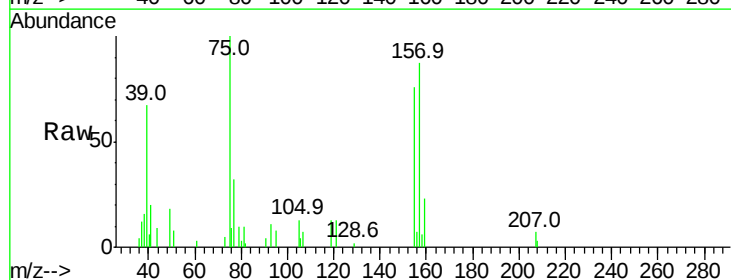
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00581

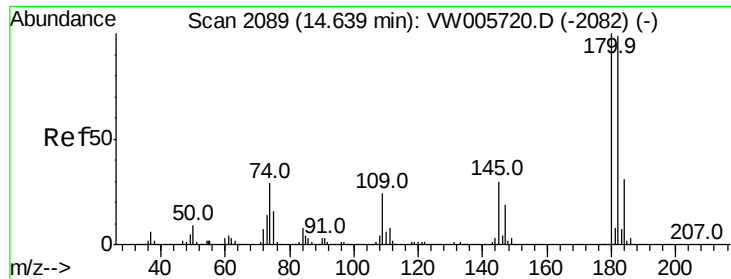
Tgt Ion:146 Resp: 46101
 Ion Ratio Lower Upper
 146 100
 111 42.2 34.6 51.8
 148 65.5 51.5 77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.341 ug/L
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW005719.D
 Acq: 28 Sep 2018 13:11

Tgt Ion: 75 Resp: 3849
 Ion Ratio Lower Upper
 75 100
 157 87.3 76.9 115.3
 155 75.9 64.2 96.2





#67

1,3,5-Trichlorobenzene

Concen: 5.713 ug/L

RT: 14.64 min Scan# 2089

Delta R.T. 0.00 min

Lab File: VW005719.D

Acq: 28 Sep 2018 13:11

Instrument :

MSVOA_W

ClientSampleId :

VSTD00581

Tgt Ion:180 Resp: 40664

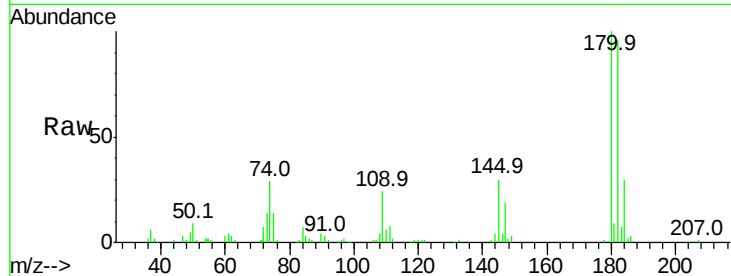
Ion Ratio Lower Upper

180 100

182 92.1 77.7 116.5

184 30.1 24.6 37.0

145 28.9 23.8 35.6

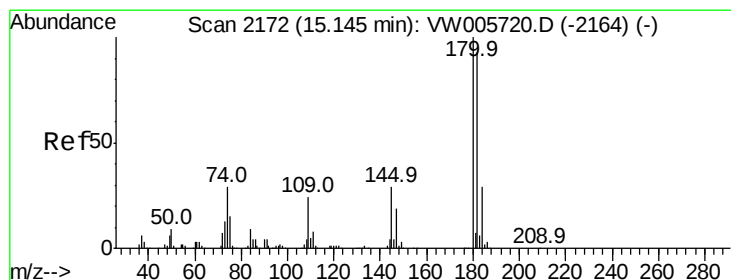
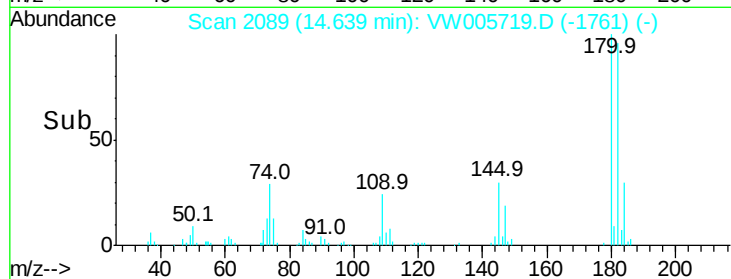
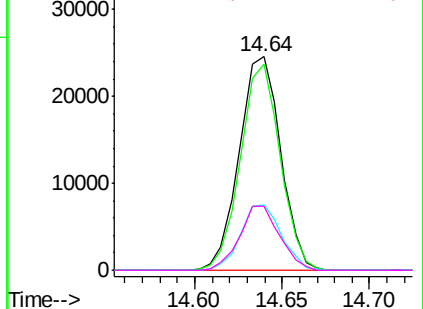


Abundance Ion 180.00 (179.70 to 180.70): V

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: 5.462 ug/L

RT: 15.15 min Scan# 2172

Delta R.T. 0.00 min

Lab File: VW005719.D

Acq: 28 Sep 2018 13:11

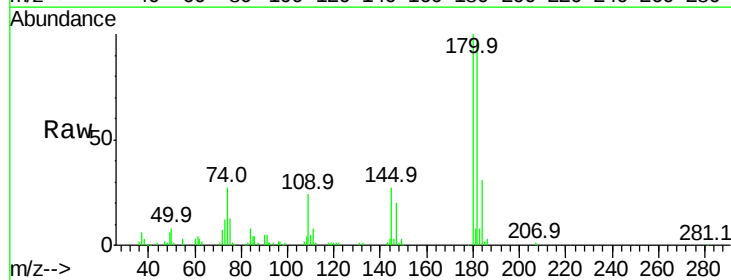
Tgt Ion:180 Resp: 31888

Ion Ratio Lower Upper

180 100

182 96.8 75.8 113.6

145 30.1 23.8 35.6



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

