

Data File : VW004225.D
Acq On : 26 Jul 2018 12:22
Operator : SY/AP
Sample : VSTD00586
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD00586

Quant Time: Jul 26 13:45:34 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072618S.M
Quant Title : VOC Analysis
QLast Update : Thu Jul 26 13:44:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	360816	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	333452	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	162864	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.34	65	17649	4.94	ug/L	0.00
7) Chloroethane-d5	2.88	69	13250	5.15	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.00	63	43699	5.10	ug/L	-0.01
20) 2-Butanone-d5	7.09	46	22198	10.61	ug/L	0.00
24) Chloroform-d	7.65	84	46623	5.44	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	27428	5.32	ug/L	0.00
29) Benzene-d6	8.27	84	87152	5.64	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	29091	5.64	ug/L	0.00
37) Toluene-d8	10.33	98	78029	5.61	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	12178	5.37	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	14890	10.72	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	31449	5.56	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.87	152	29390	5.61	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	11411	4.939 ug/L	96
3) Chloromethane	2.21	50	18805	5.092 ug/L	99
5) Vinyl chloride	2.36	62	23768	4.274 ug/L	100
6) Bromomethane	2.77	94	13540	4.586 ug/L	100
8) Chloroethane	2.92	64	12771	4.381 ug/L	90
9) Trichlorofluoromethane	3.25	101	12191	4.400 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	21528	4.369 ug/L	96
12) 1,1-Dichloroethene	4.03	96	21583	4.494 ug/L	88
13) Acetone	4.12	43	24279	10.671 ug/L	99
14) Carbon disulfide	4.37	76	70861	4.560 ug/L	100
15) Methyl Acetate	4.67	43	20984	5.406 ug/L	99
16) Methylene chloride	4.91	84	28259	4.082 ug/L	92
17) Methyl tert-butyl Ether	5.43	73	40227	4.331 ug/L #	82
18) trans-1,2-Dichloroethene	5.42	96	22851	4.621 ug/L	98
19) 1,1-Dichloroethane	6.21	63	45796	4.868 ug/L	96
21) 2-Butanone	7.18	43	30485	10.798 ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	24977	4.726 ug/L	99
23) Bromochloromethane	7.51	128	12320	4.958 ug/L	93
25) Chloroform	7.68	83	46740	4.865 ug/L	100
27) 1,2-Dichloroethane	8.40	62	33722	4.763 ug/L	99
30) Cyclohexane	7.96	56	34840	4.284 ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	36992	4.878 ug/L	99
32) Carbon tetrachloride	8.07	117	35018	4.786 ug/L	100
34) Benzene	8.32	78	102110	4.996 ug/L	100
35) Trichloroethene	9.09	95	26690	4.880 ug/L	99
36) Methylcyclohexane	9.34	83	41774	4.622 ug/L	96
40) 1,2-Dichloropropane	9.37	63	27796	5.016 ug/L	98
41) Bromodichloromethane	9.65	83	33364	4.890 ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	37150	4.758 ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	49001	10.059 ug/L	96

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Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	104565	4.882	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	33342	4.630	ug/L	96
46) 1,1,2-Trichloroethane	10.79	97	21318	4.950	ug/L	95
47) Tetrachloroethene	10.87	164	21716	4.923	ug/L	96
49) 2-Hexanone	10.97	43	39618	10.505	ug/L	98
50) Dibromochloromethane	11.13	129	23585	4.889	ug/L	87
51) 1,2-Dibromoethane	11.24	107	21035	5.001	ug/L	97
52) Chlorobenzene	11.66	112	68493	4.988	ug/L	94
53) Ethylbenzene	11.74	91	109882	4.739	ug/L	98
54) m,p-Xylene	11.85	106	41794	4.891	ug/L	99
55) o-xylene	12.17	106	37479	4.586	ug/L	99
56) Styrene	12.19	104	65723	4.655	ug/L	96
57) Isopropylbenzene	12.47	105	101807	4.543	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	32888	5.343	ug/L #	93
59) 1,2,3-Trichloropropane	12.77	75	25445	5.340	ug/L	99
62) Bromoform	12.35	173	15908	5.176	ug/L	96
63) 1,3-Dichlorobenzene	13.51	146	50638	5.048	ug/L	94
64) 1,4-Dichlorobenzene	13.58	146	53419	4.967	ug/L	97
65) 1,2-Dichlorobenzene	13.88	146	49281	5.041	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	6242	5.477	ug/L	91
67) 1,3,5-Trichlorobenzene	14.64	180	38205	4.817	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	29733	4.674	ug/L	99
69) Naphthalene	15.38	128	66155	4.619	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	30138	4.980	ug/L	100

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

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ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_W
ClientSampleId :
VSTD00586

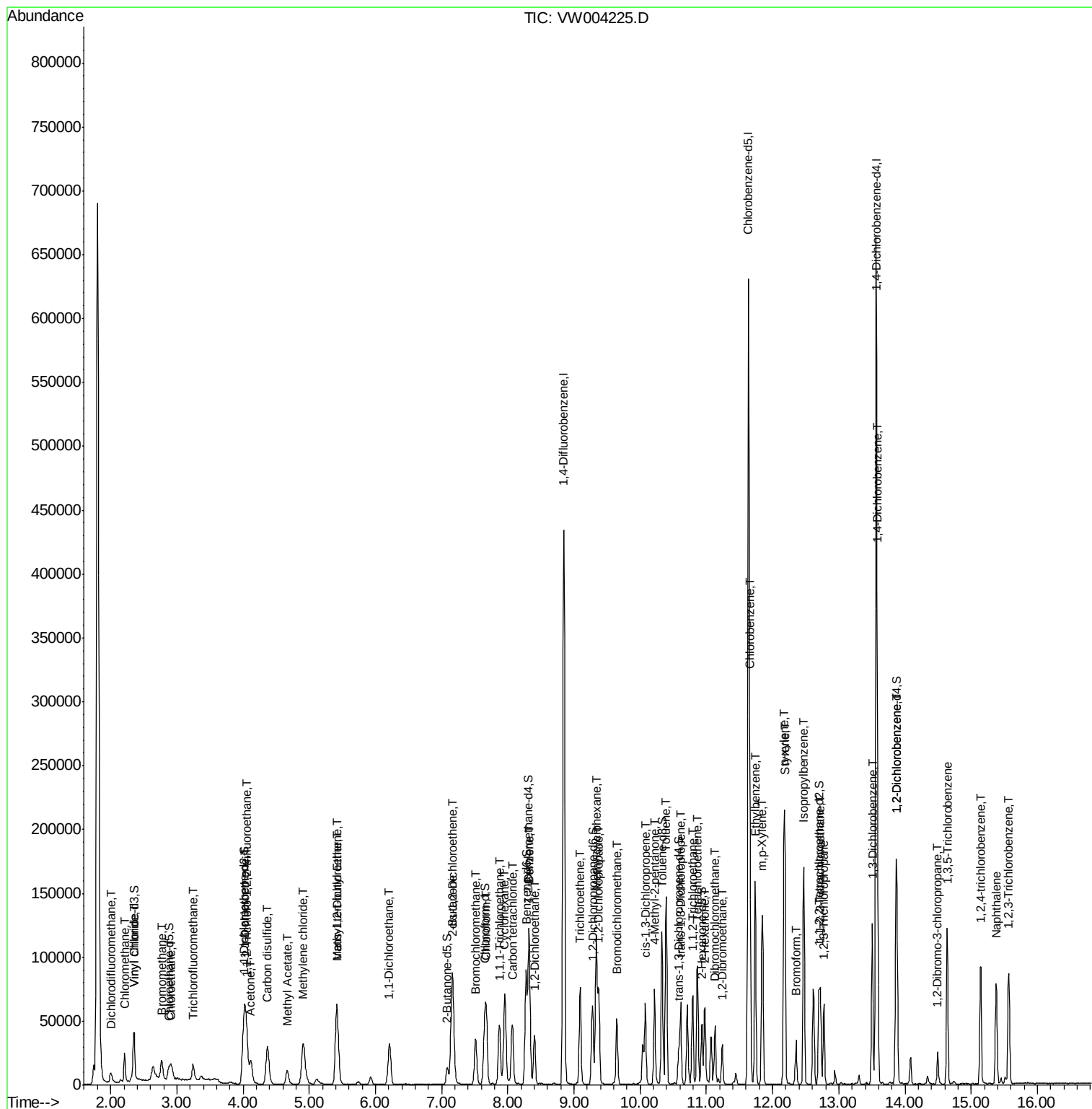
Quant Time: Jul 26 13:45:34 2018

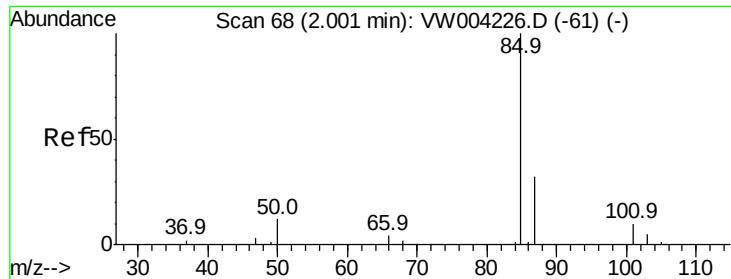
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_W\METHOD\S0M2WLM072618S.M

Quant Title : VOC Analysis

QLast Update : Thu Jul 26 13:44:32 2018

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.939 ug/L

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

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Acq: 26 Jul 2018 12:22

Instrument :

MSVOA_W

ClientSampleId :

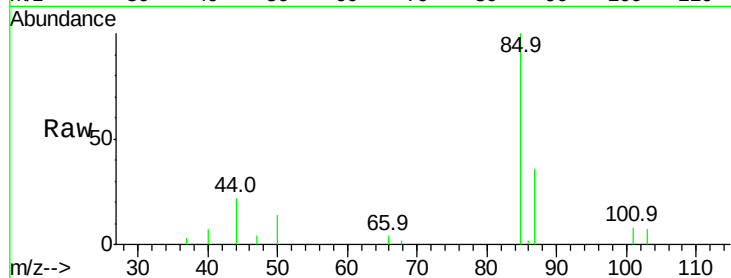
VSTD00586

Tgt Ion: 85 Resp: 11411

Ion Ratio Lower Upper

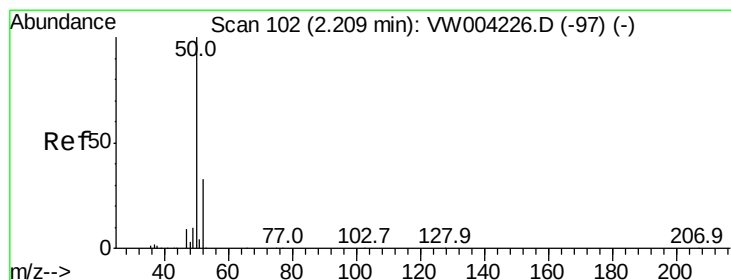
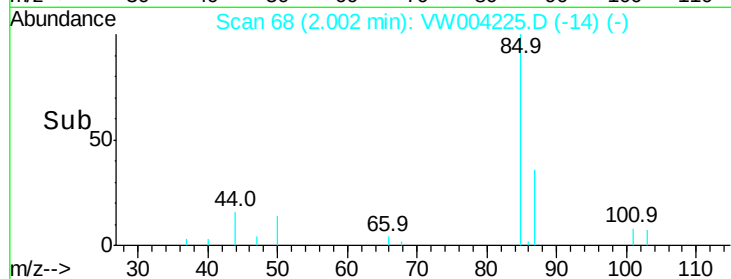
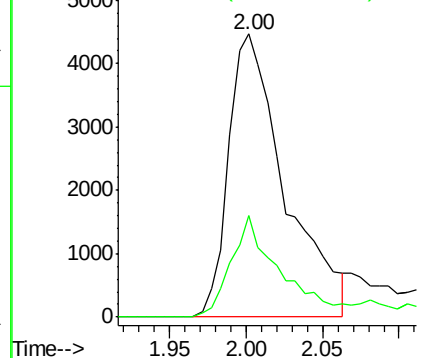
85 100

87 30.3 22.7 42.3



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 5.092 ug/L

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW004225.D

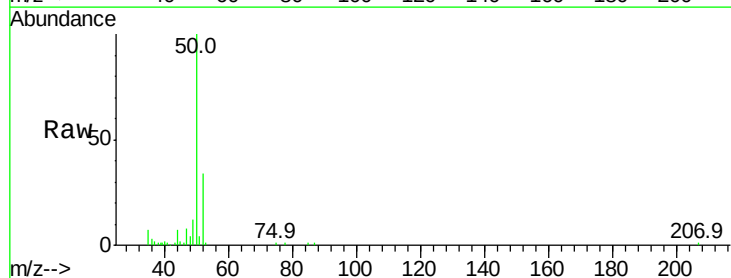
Acq: 26 Jul 2018 12:22

Tgt Ion: 50 Resp: 18805

Ion Ratio Lower Upper

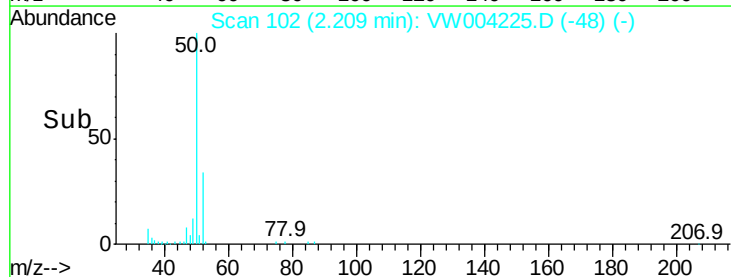
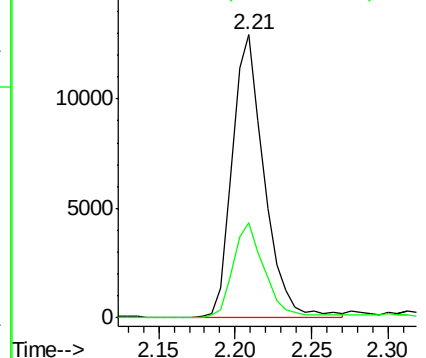
50 100

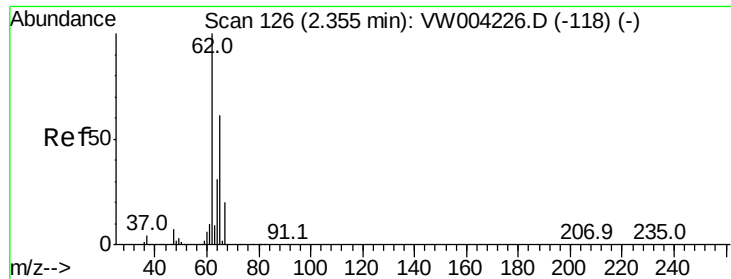
52 33.7 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 4.274 ug/L

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW004225.D

Acq: 26 Jul 2018 12:22

Instrument :

MSVOA_W

ClientSampleId :

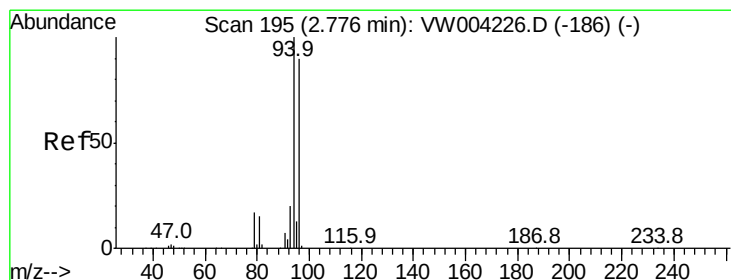
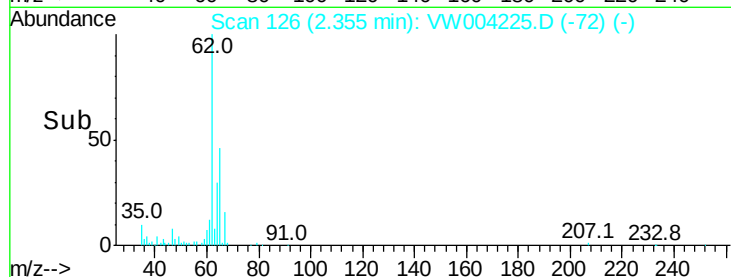
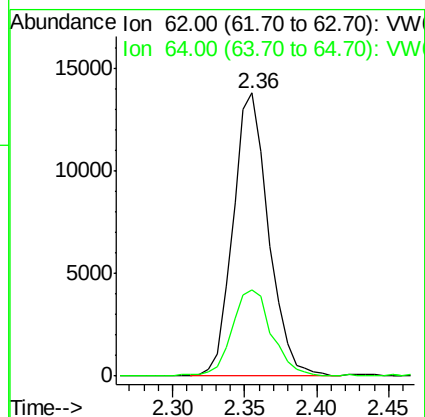
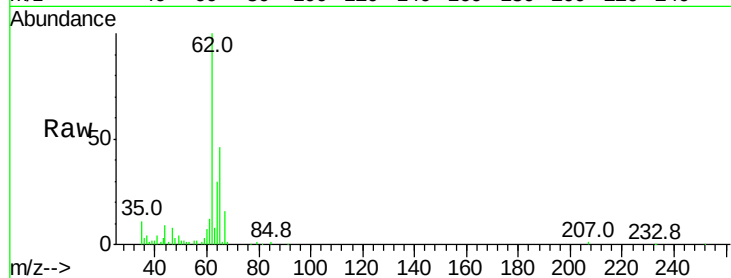
VSTD00586

Tgt Ion: 62 Resp: 23768

Ion Ratio Lower Upper

62 100

64 30.4 21.4 39.8



#6

Bromomethane

Concen: 4.586 ug/L

RT: 2.77 min Scan# 194

Delta R.T. -0.01 min

Lab File: VW004225.D

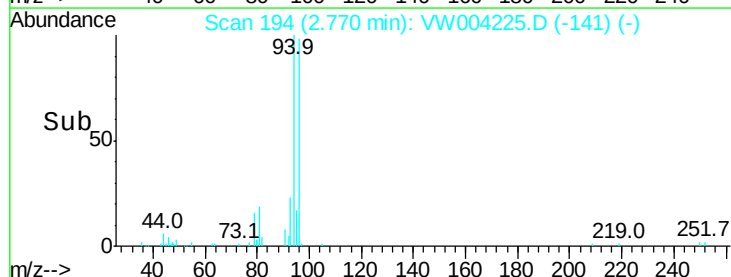
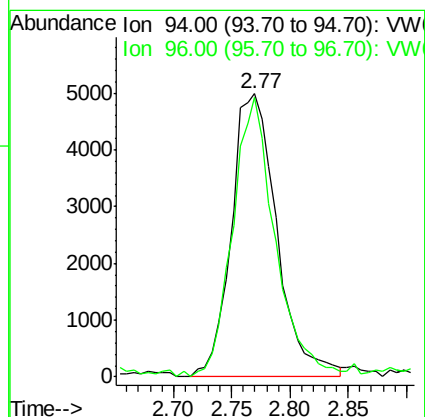
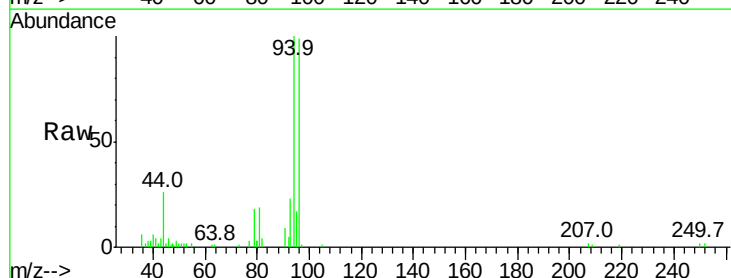
Acq: 26 Jul 2018 12:22

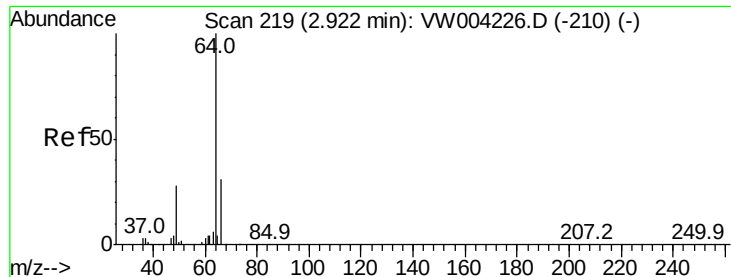
Tgt Ion: 94 Resp: 13540

Ion Ratio Lower Upper

94 100

96 92.2 9.2 175.6





#8

Chloroethane

Concen: 4.381 ug/L

RT: 2.92 min Scan# 219

Delta R.T. 0.00 min

Lab File: VW004225.D

Acq: 26 Jul 2018 12:22

Instrument :

MSVOA_W

ClientSampleId :

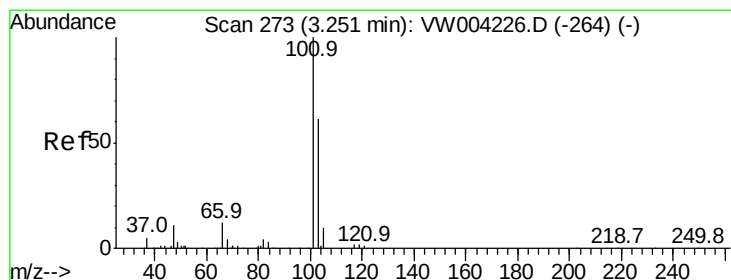
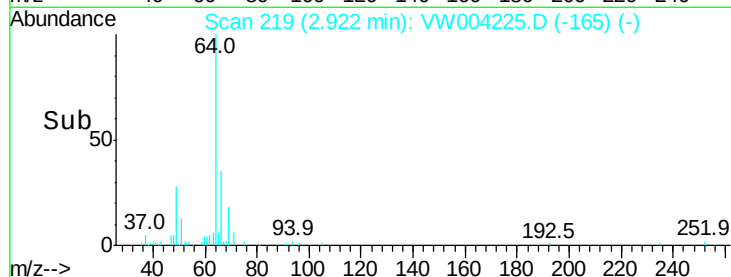
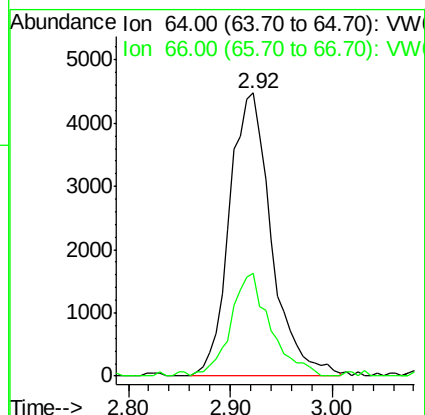
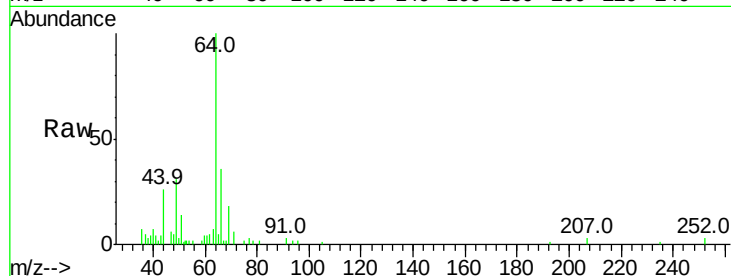
VSTD00586

Tgt Ion: 64 Resp: 12771

Ion Ratio Lower Upper

64 100

66 36.3 21.6 40.2



#9

Trichlorofluoromethane

Concen: 4.400 ug/L

RT: 3.25 min Scan# 272

Delta R.T. -0.01 min

Lab File: VW004225.D

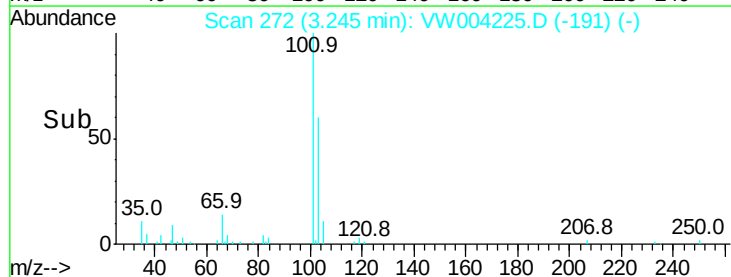
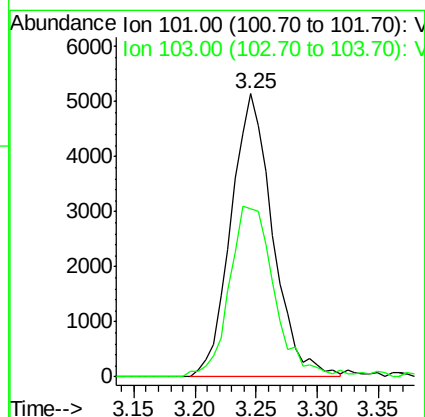
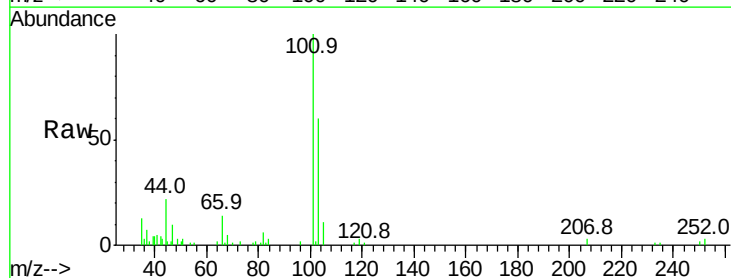
Acq: 26 Jul 2018 12:22

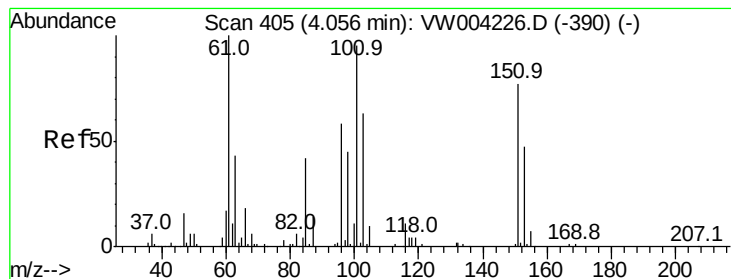
Tgt Ion: 101 Resp: 12191

Ion Ratio Lower Upper

101 100

103 62.7 44.6 82.8





#11

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

Concen: 4.369 ug/L

RT: 4.06 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW004225.D

Acq: 26 Jul 2018 12:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD00586

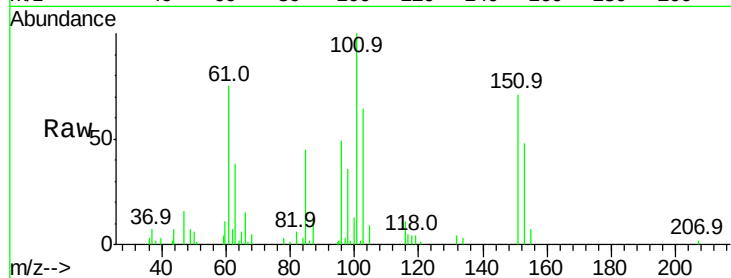
Tgt Ion:101 Resp: 21528

Ion Ratio Lower Upper

101 100

85 48.2 35.8 53.8

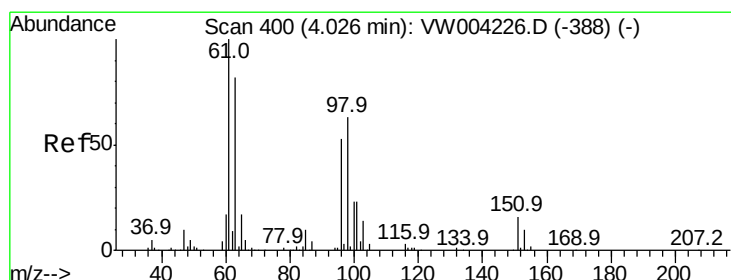
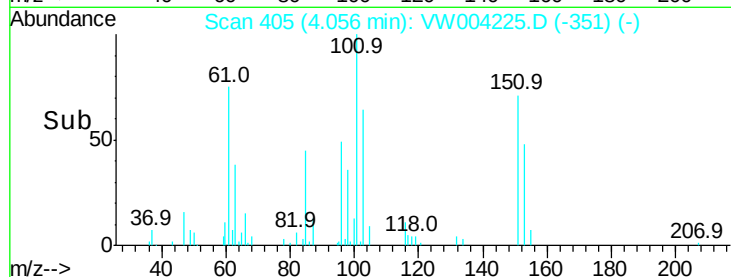
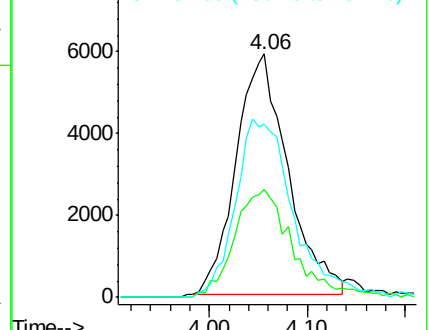
151 82.2 63.4 95.2



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: 4.494 ug/L

RT: 4.03 min Scan# 400

Delta R.T. 0.00 min

Lab File: VW004225.D

Acq: 26 Jul 2018 12:22

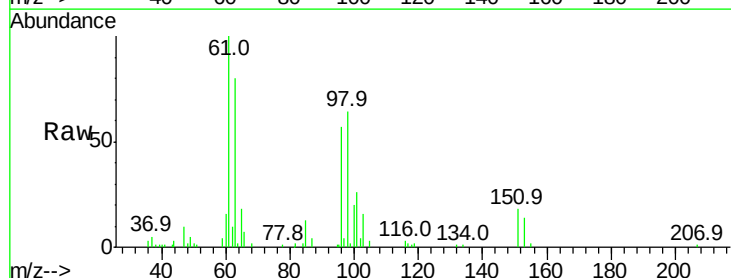
Tgt Ion: 96 Resp: 21583

Ion Ratio Lower Upper

96 100

61 175.6 133.1 247.3

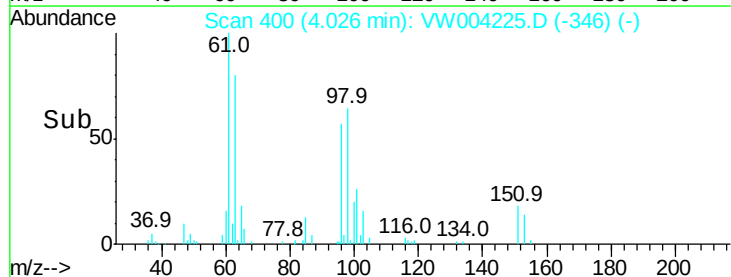
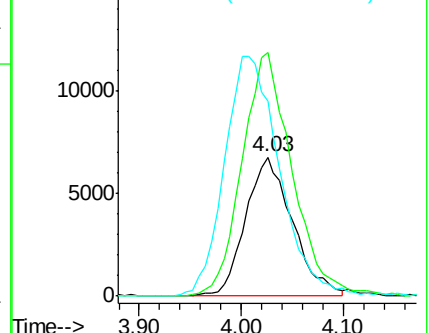
63 140.4 111.7 207.5

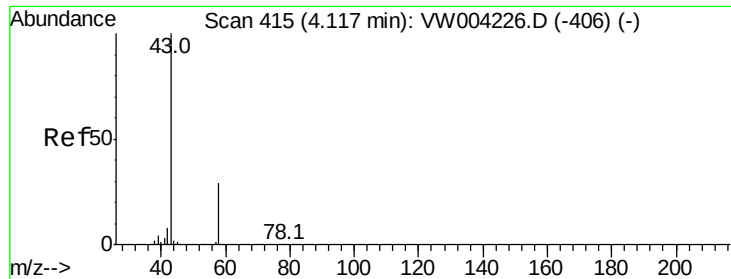


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 10.671 ug/L

RT: 4.12 min Scan# 415

Delta R.T. 0.00 min

Lab File: VW004225.D

Acq: 26 Jul 2018 12:22

Instrument :

MSVOA_W

ClientSampleId :

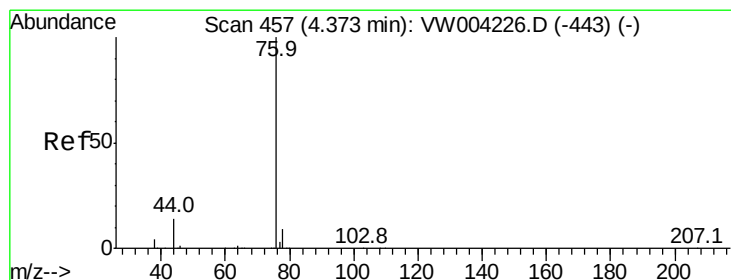
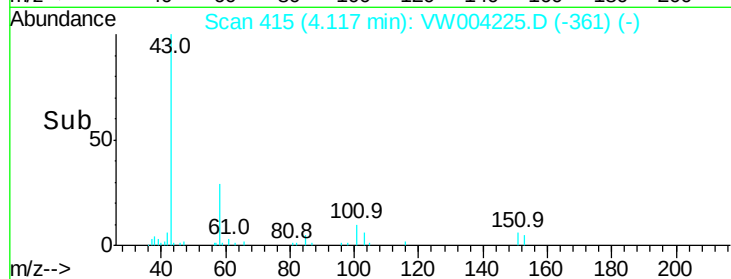
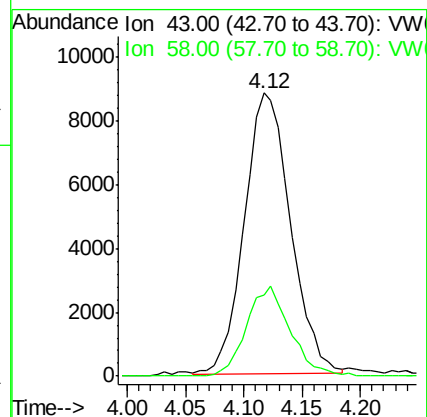
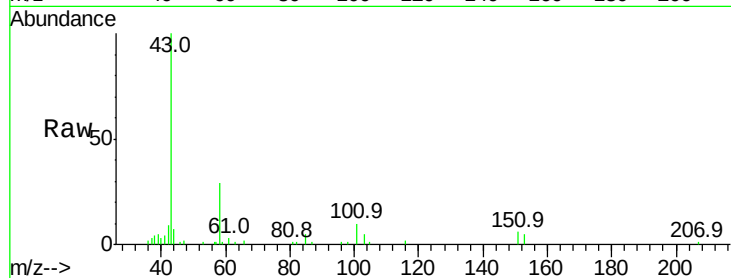
VSTD00586

Tgt Ion: 43 Resp: 24279

Ion Ratio Lower Upper

43 100

58 30.4 0.0 59.8



#14

Carbon disulfide

Concen: 4.560 ug/L

RT: 4.37 min Scan# 456

Delta R.T. -0.01 min

Lab File: VW004225.D

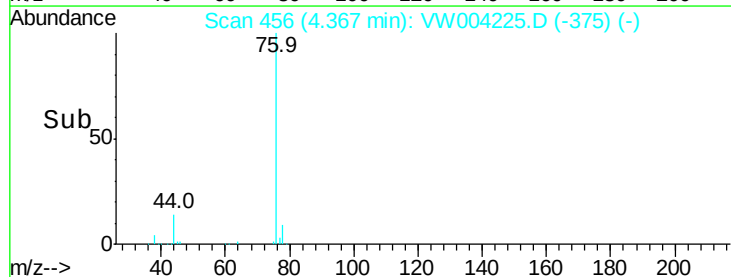
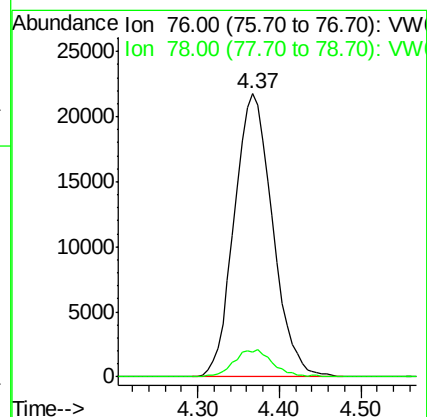
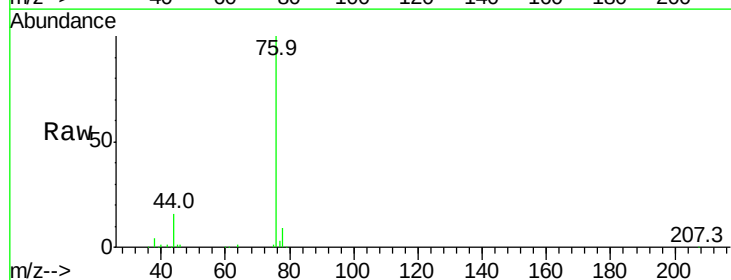
Acq: 26 Jul 2018 12:22

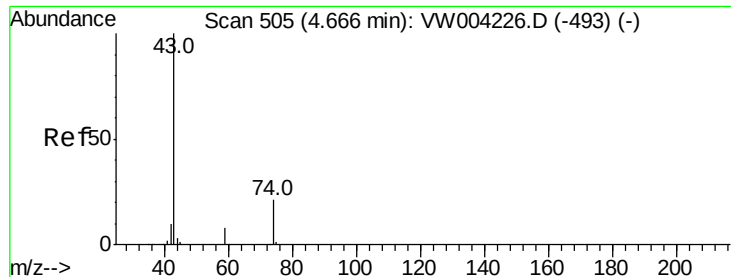
Tgt Ion: 76 Resp: 70861

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.6

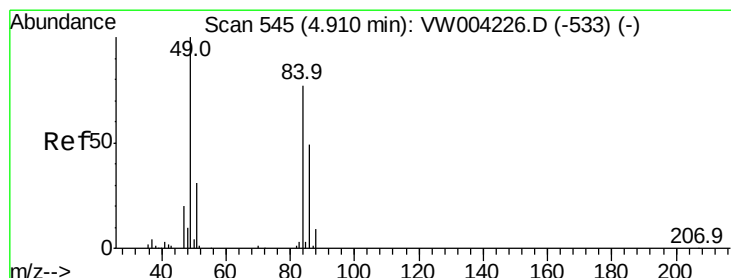
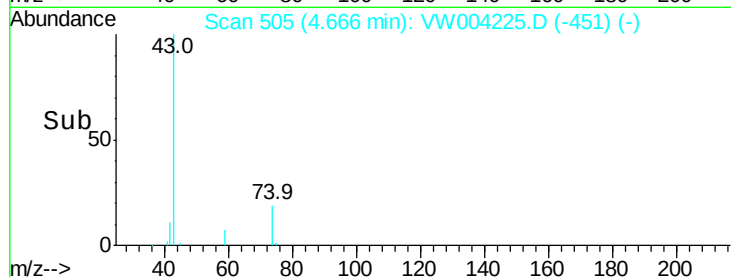
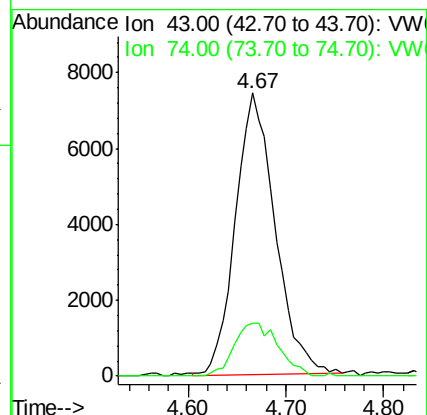
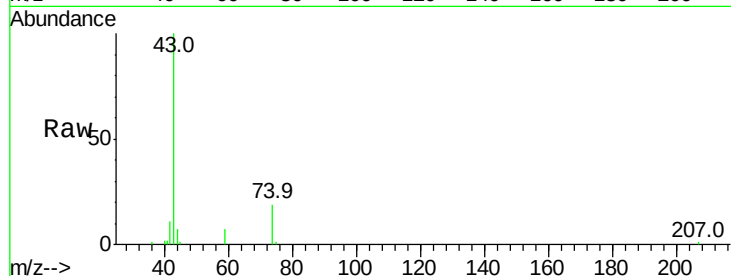




#15
Methyl Acetate
Concen: 5.406 ug/L
RT: 4.67 min Scan# 505
Delta R.T. 0.00 min
Lab File: VW004225.D
Acq: 26 Jul 2018 12:22

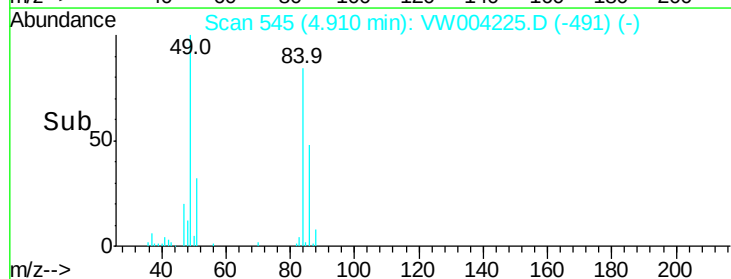
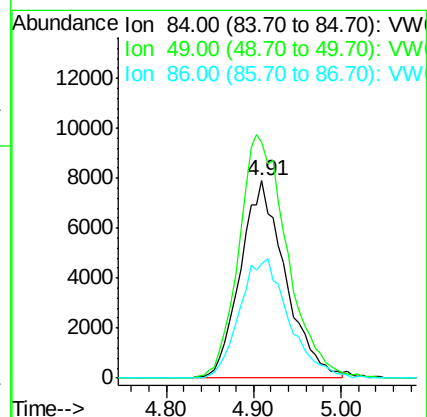
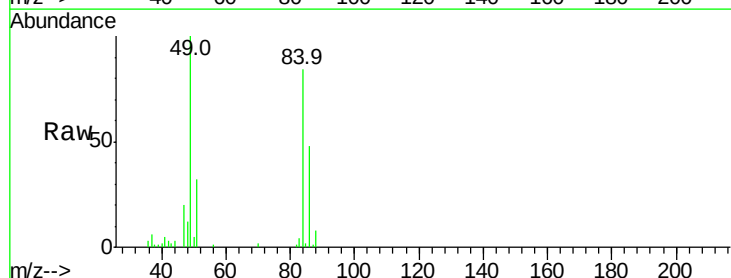
Instrument :
MSVOA_W
ClientSampled :
VSTD00586

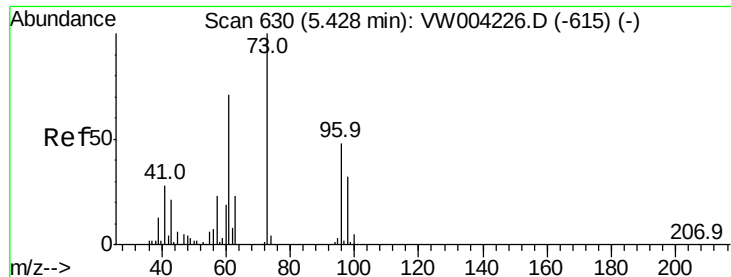
Tgt Ion: 43 Resp: 20984
Ion Ratio Lower Upper
43 100
74 20.7 17.0 25.6



#16
Methylene chloride
Concen: 4.082 ug/L
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW004225.D
Acq: 26 Jul 2018 12:22

Tgt Ion: 84 Resp: 28259
Ion Ratio Lower Upper
84 100
49 119.6 90.9 168.7
86 57.7 44.4 82.5

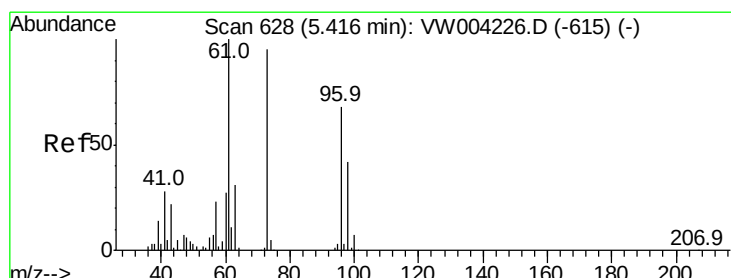
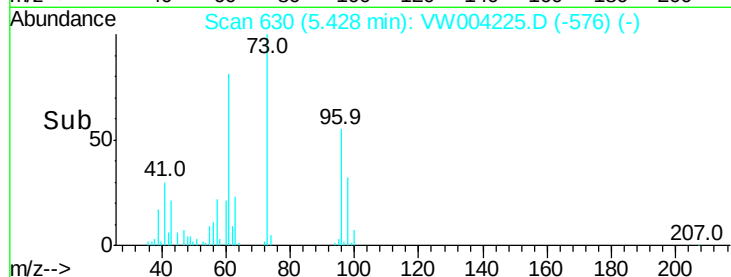
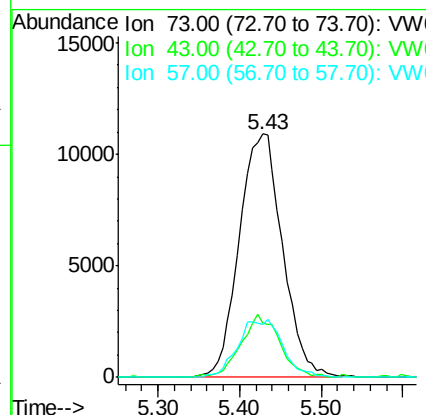
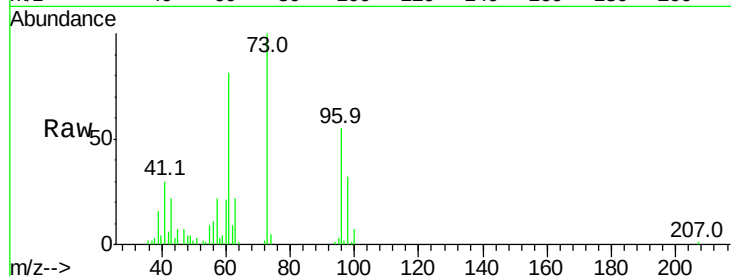




#17
Methyl tert-butyl Ether
Concen: 4.331 ug/L
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW004225.D
Acq: 26 Jul 2018 12:22

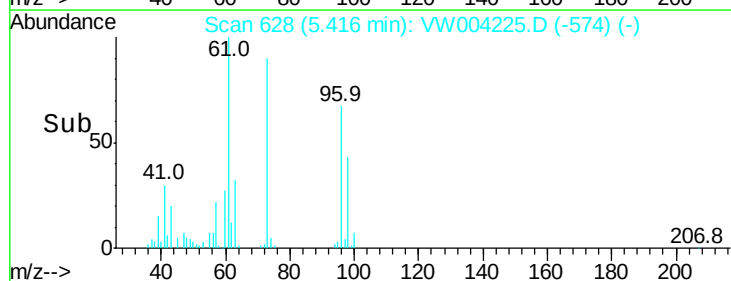
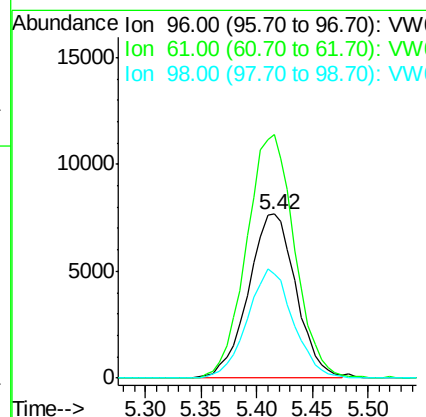
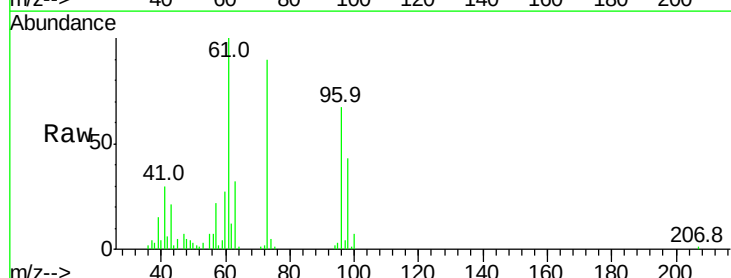
Instrument :
MSVOA_W
ClientSampleId :
VSTD00586

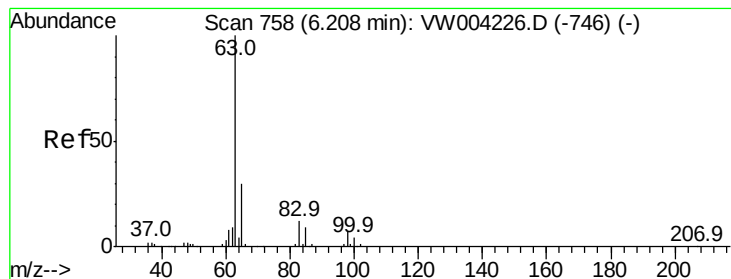
Tgt Ion: 73 Resp: 40227
Ion Ratio Lower Upper
73 100
43 14.3 17.8 26.6#
57 14.0 18.7 28.1#



#18
trans-1,2-Dichloroethene
Concen: 4.621 ug/L
RT: 5.42 min Scan# 628
Delta R.T. 0.00 min
Lab File: VW004225.D
Acq: 26 Jul 2018 12:22

Tgt Ion: 96 Resp: 22851
Ion Ratio Lower Upper
96 100
61 148.4 102.4 190.2
98 63.1 43.1 80.1





#19

1,1-Dichloroethane

Concen: 4.868 ug/L

RT: 6.21 min Scan# 758

Delta R.T. 0.00 min

Lab File: VW004225.D

Acq: 26 Jul 2018 12:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD00586

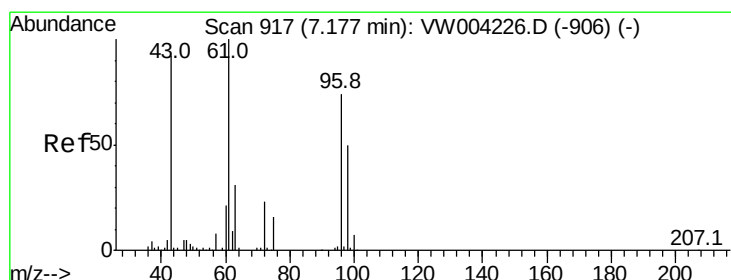
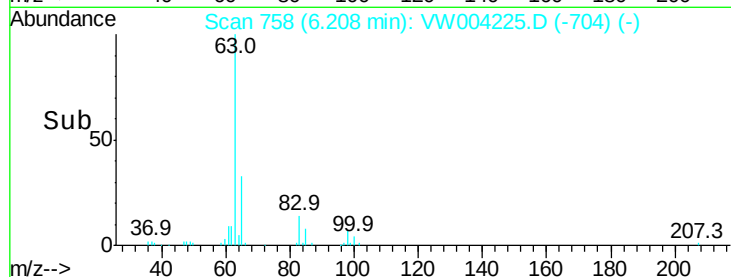
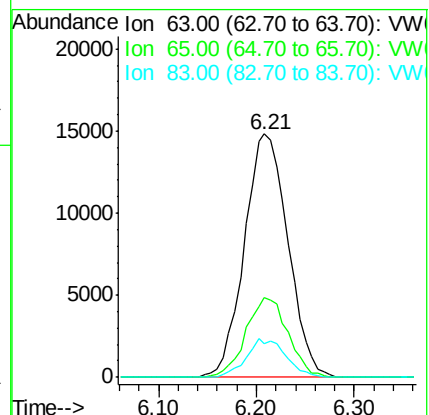
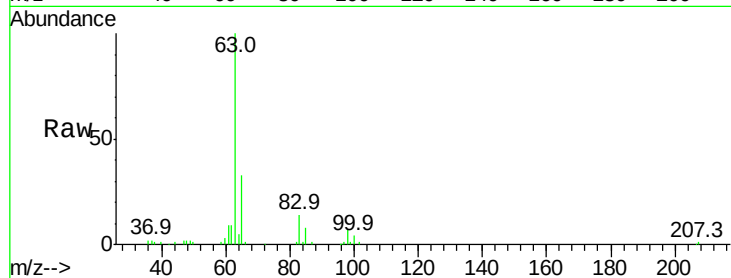
Tgt Ion: 63 Resp: 45796

Ion Ratio Lower Upper

63 100

65 33.0 21.3 39.6

83 13.9 8.6 16.0



#21

2-Butanone

Concen: 10.798 ug/L

RT: 7.18 min Scan# 917

Delta R.T. 0.00 min

Lab File: VW004225.D

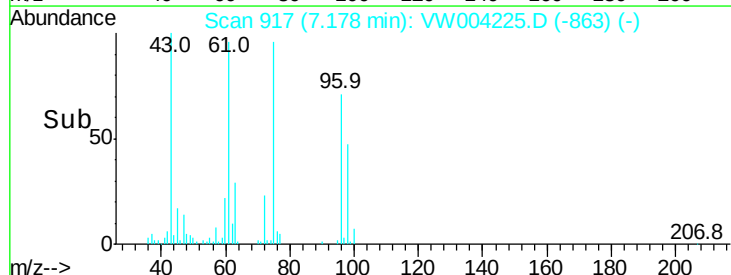
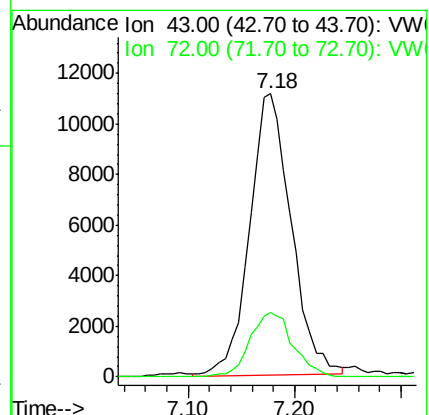
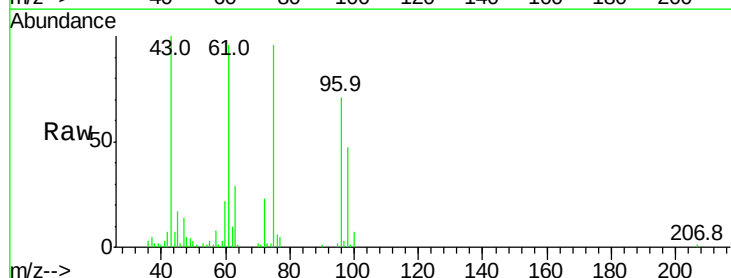
Acq: 26 Jul 2018 12:22

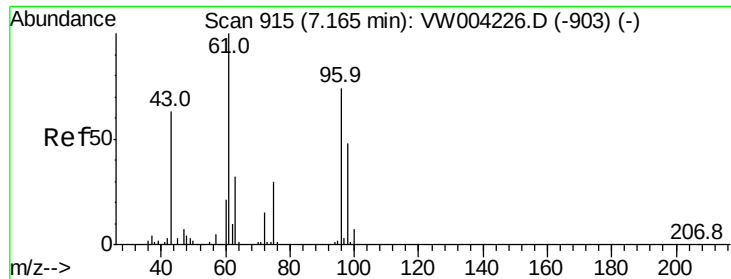
Tgt Ion: 43 Resp: 30485

Ion Ratio Lower Upper

43 100

72 23.6 12.3 36.9

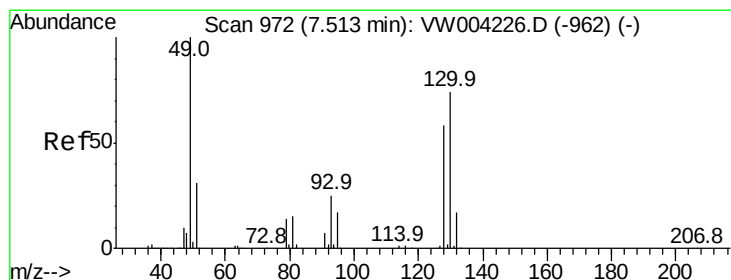
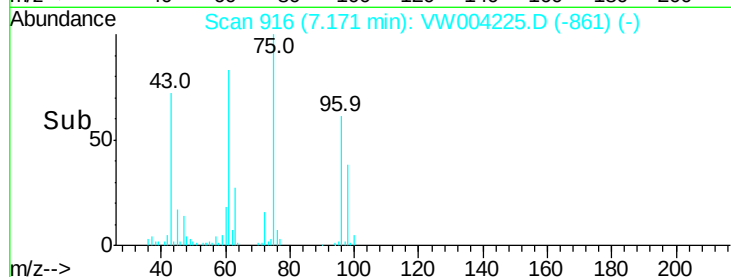
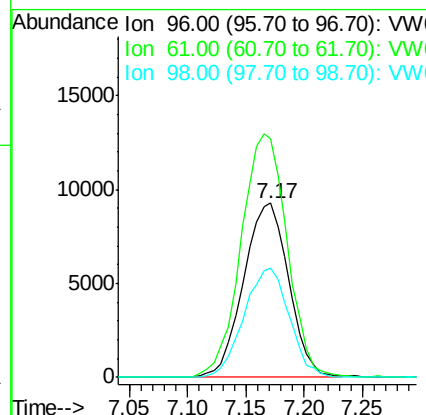
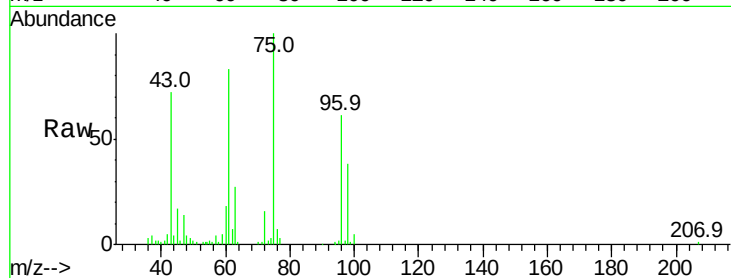




#22
 cis-1,2-Dichloroethene
 Concen: 4.726 ug/L
 RT: 7.17 min Scan# 916
 Delta R.T. 0.01 min
 Lab File: VW004225.D
 Acq: 26 Jul 2018 12:22

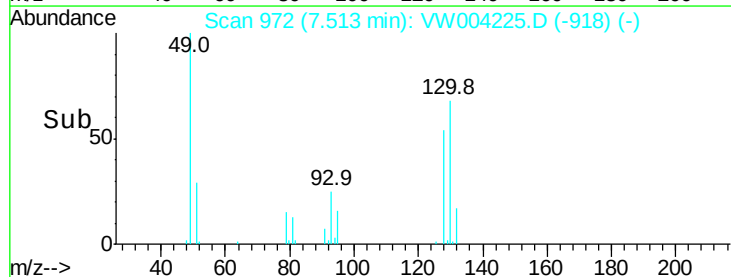
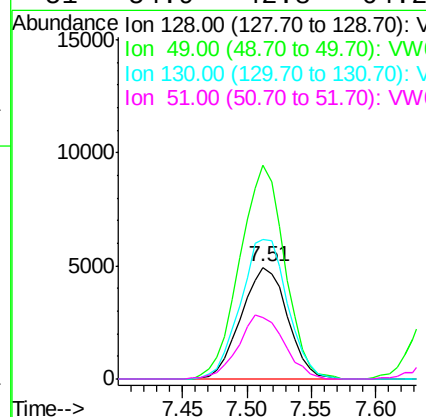
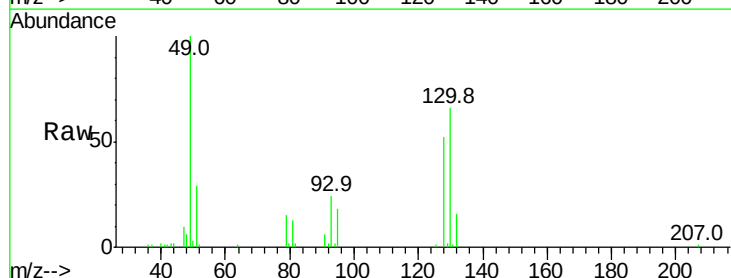
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00586

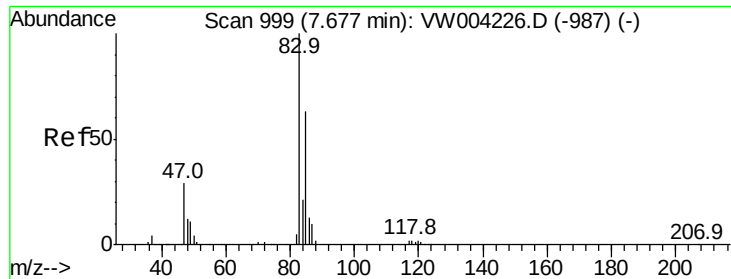
Tgt Ion: 96 Resp: 24977
 Ion Ratio Lower Upper
 96 100
 61 136.8 95.1 176.7
 98 62.6 45.2 84.0



#23
 Bromochloromethane
 Concen: 4.958 ug/L
 RT: 7.51 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: VW004225.D
 Acq: 26 Jul 2018 12:22

Tgt Ion: 128 Resp: 12320
 Ion Ratio Lower Upper
 128 100
 49 191.6 120.5 223.7
 130 125.6 88.5 164.4
 51 54.9 42.8 64.2

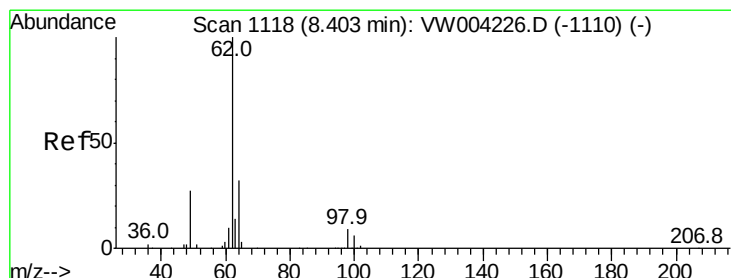
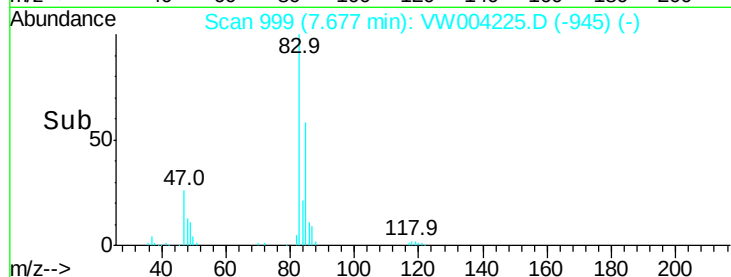
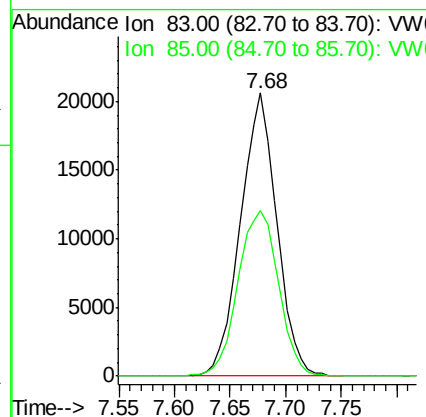
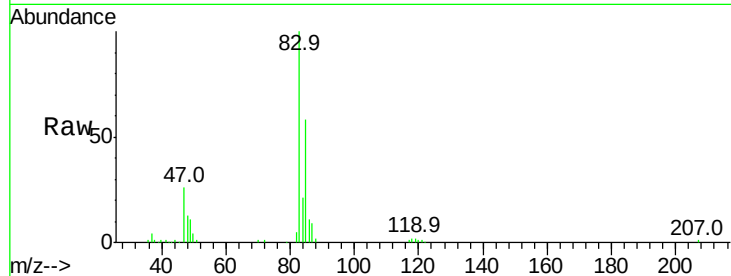




#25
Chloroform
Concen: 4.865 ug/L
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW004225.D
Acq: 26 Jul 2018 12:22

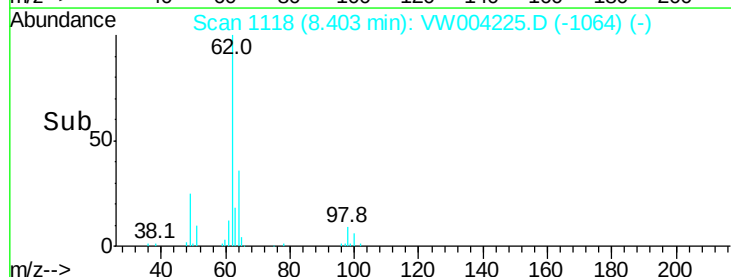
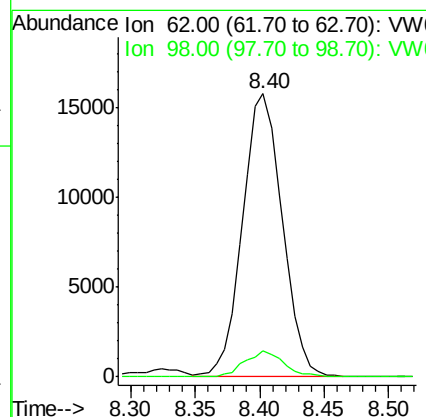
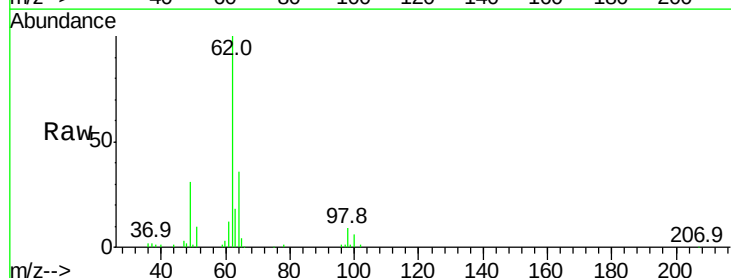
Instrument :
MSVOA_W
ClientSampled :
VSTD00586

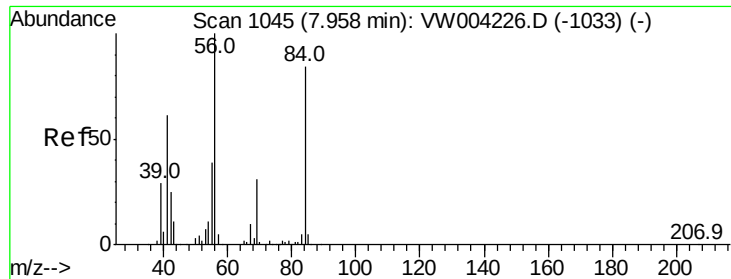
Tgt Ion: 83 Resp: 46740
Ion Ratio Lower Upper
83 100
85 65.2 45.5 84.5



#27
1,2-Dichloroethane
Concen: 4.763 ug/L
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW004225.D
Acq: 26 Jul 2018 12:22

Tgt Ion: 62 Resp: 33722
Ion Ratio Lower Upper
62 100
98 9.2 7.0 10.4

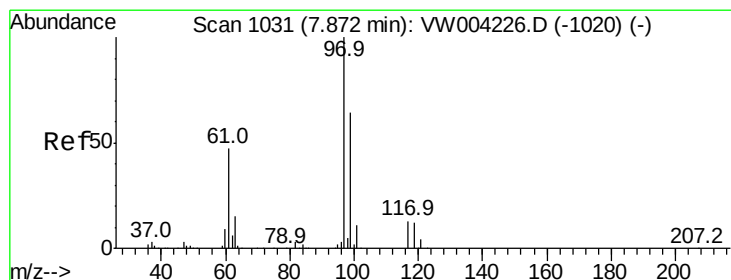
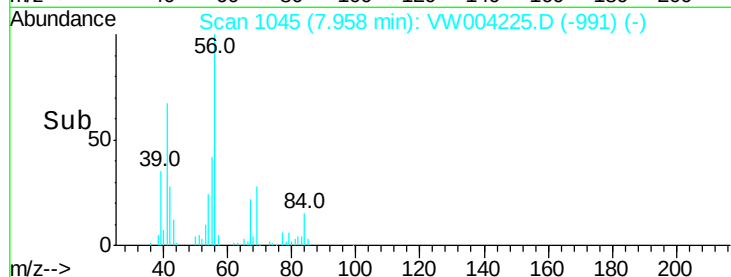
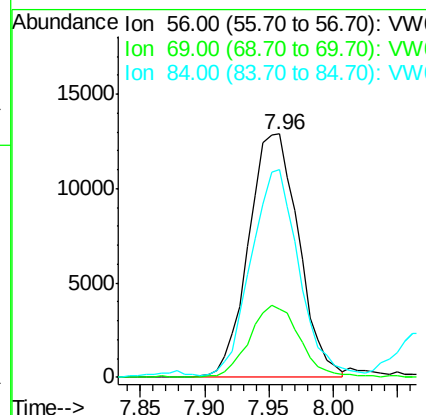
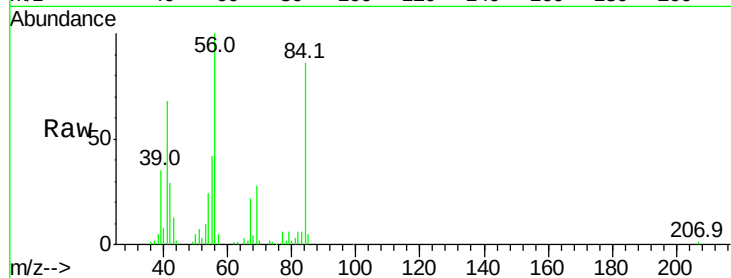




#30
Cyclohexane
Concen: 4.284 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VW004225.D
Acq: 26 Jul 2018 12:22

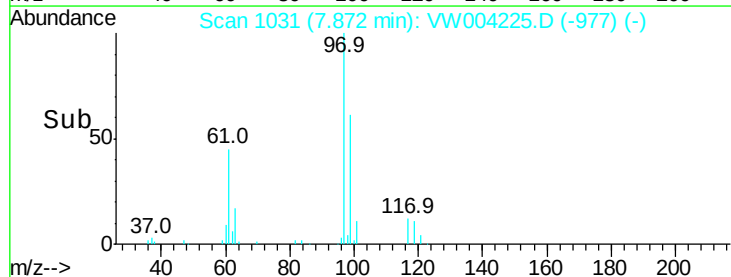
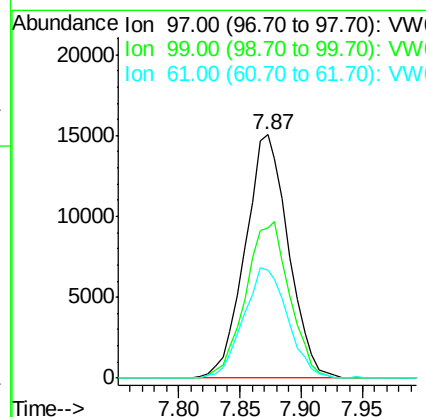
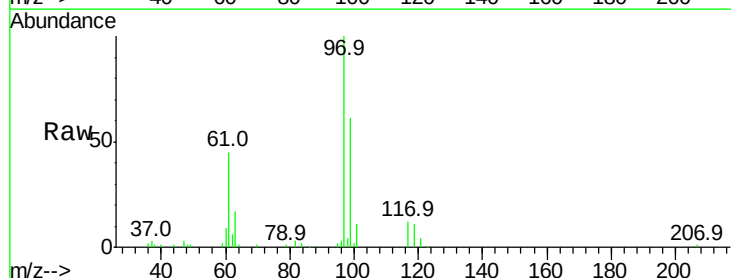
Instrument :
MSVOA_W
ClientSampleId :
VSTD00586

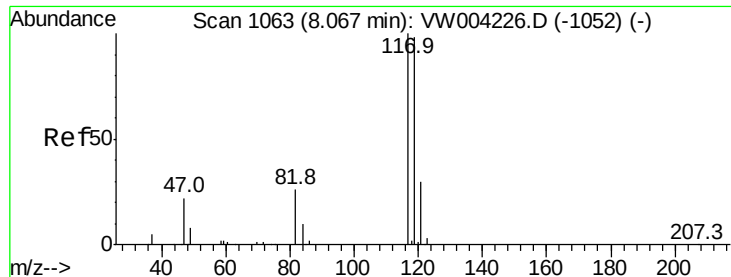
Tgt Ion: 56 Resp: 34840
Ion Ratio Lower Upper
56 100
69 29.2 23.2 34.8
84 81.9 64.0 96.0



#31
1,1,1-Trichloroethane
Concen: 4.878 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW004225.D
Acq: 26 Jul 2018 12:22

Tgt Ion: 97 Resp: 36992
Ion Ratio Lower Upper
97 100
99 65.3 51.3 76.9
61 46.2 37.1 55.7





#32

Carbon tetrachloride

Concen: 4.786 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VW004225.D

Acq: 26 Jul 2018 12:22

Instrument :

MSVOA_W

ClientSampleId :

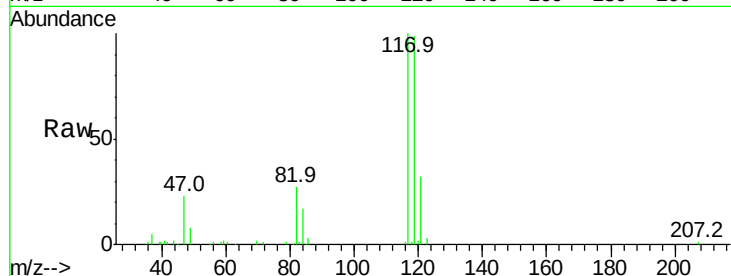
VSTD00586

Tgt Ion:117 Resp: 35018

Ion Ratio Lower Upper

117 100

119 96.4 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

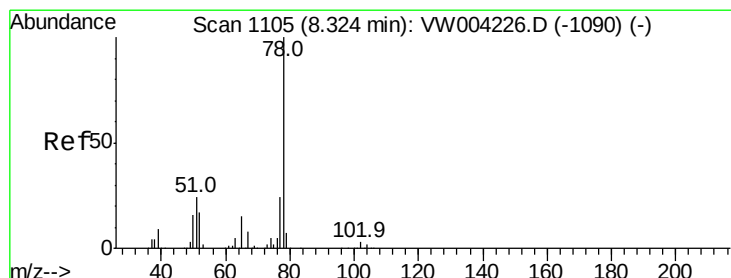
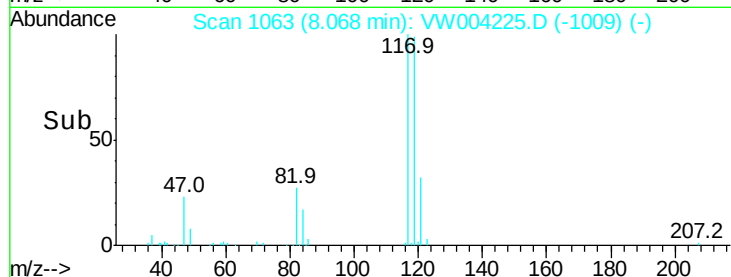
15000

10000

5000

0

Time--> 7.95 8.00 8.05 8.10 8.15



#34

Benzene

Concen: 4.996 ug/L

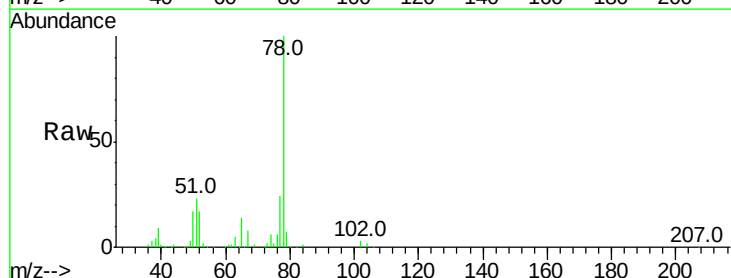
RT: 8.32 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VW004225.D

Acq: 26 Jul 2018 12:22

Tgt Ion: 78 Resp: 102110



Abundance Ion 78.00 (77.70 to 78.70): VW

50000

40000

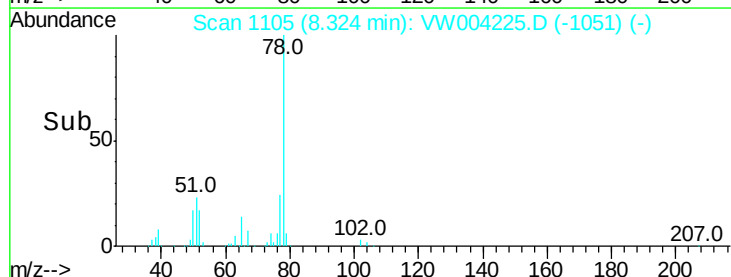
30000

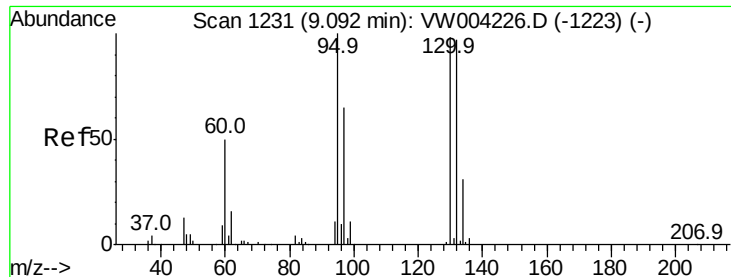
20000

10000

0

Time--> 8.20 8.30 8.40





#35

Trichloroethene

Concen: 4.880 ug/L

RT: 9.09 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VW004225.D

Acq: 26 Jul 2018 12:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD00586

Tgt Ion: 95 Resp: 26690

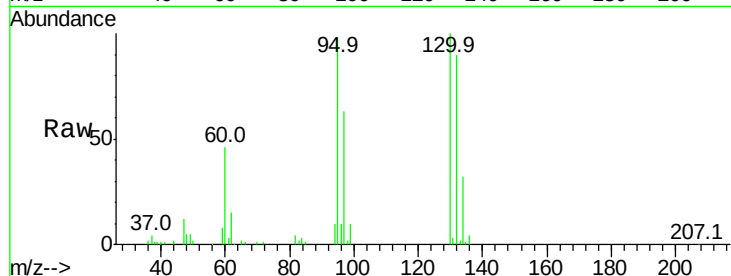
Ion Ratio Lower Upper

95 100

97 64.5 44.9 83.5

132 95.3 67.4 125.2

130 102.3 70.2 130.4

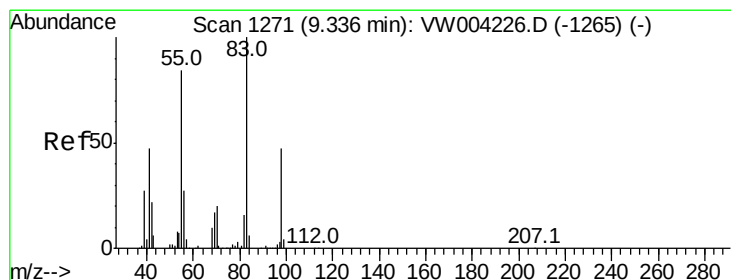
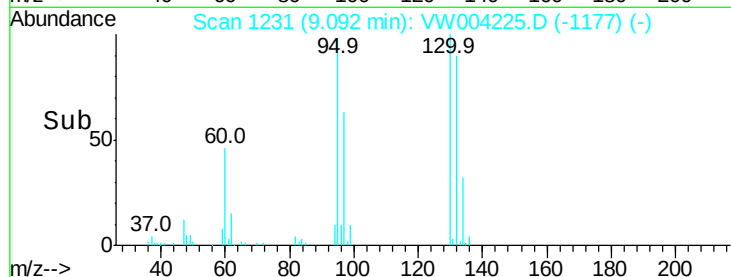
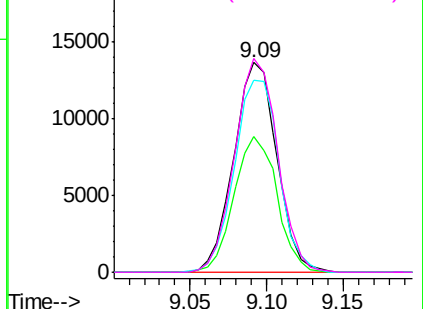


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 4.622 ug/L

RT: 9.34 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VW004225.D

Acq: 26 Jul 2018 12:22

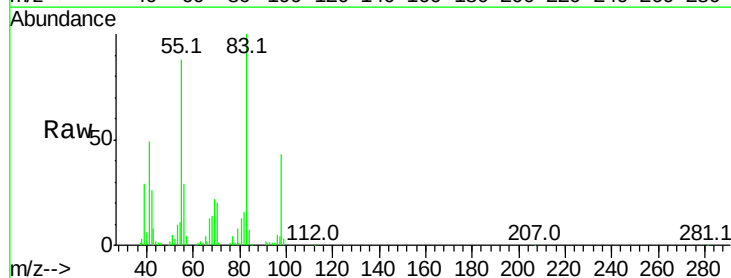
Tgt Ion: 83 Resp: 41774

Ion Ratio Lower Upper

83 100

55 87.0 65.5 98.3

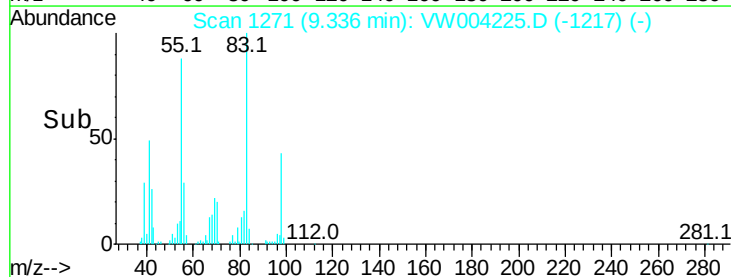
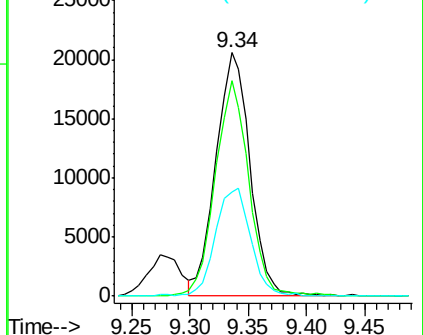
98 45.3 37.1 55.7

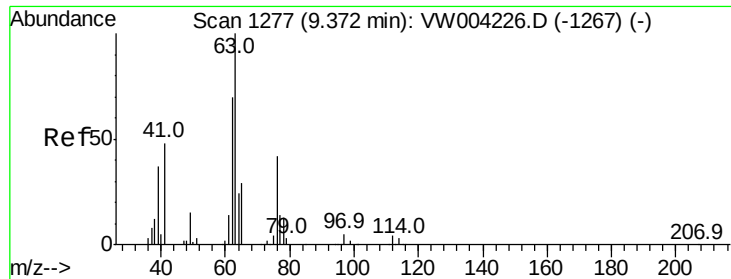


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 5.016 ug/L

RT: 9.37 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VW004225.D

Acq: 26 Jul 2018 12:22

Instrument :

MSVOA_W

ClientSampled :

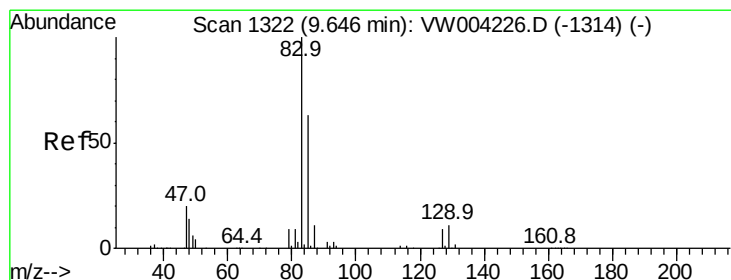
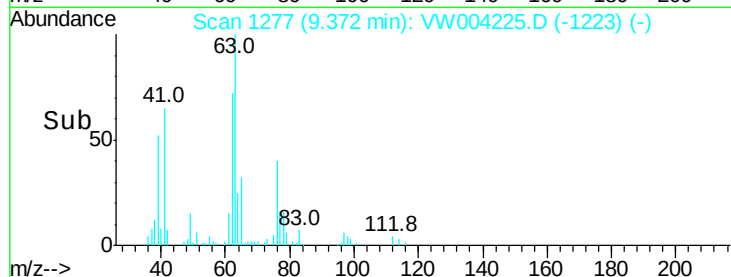
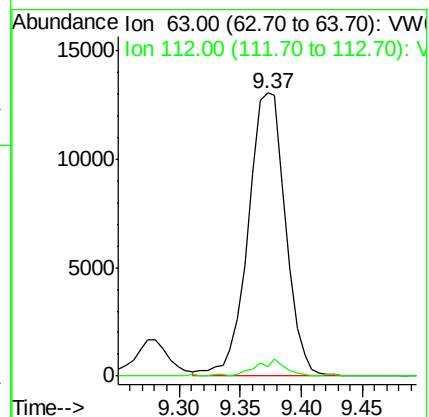
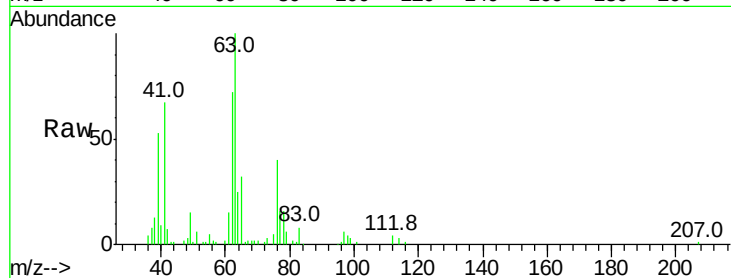
VSTD00586

Tgt Ion: 63 Resp: 27796

Ion Ratio Lower Upper

63 100

112 4.6 3.2 4.8



#41

Bromodichloromethane

Concen: 4.890 ug/L

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW004225.D

Acq: 26 Jul 2018 12:22

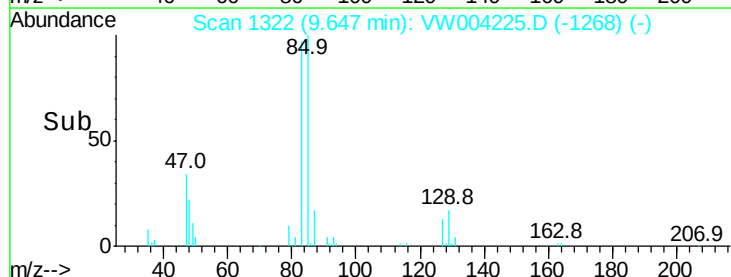
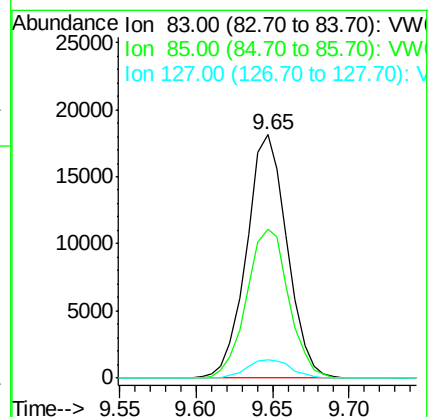
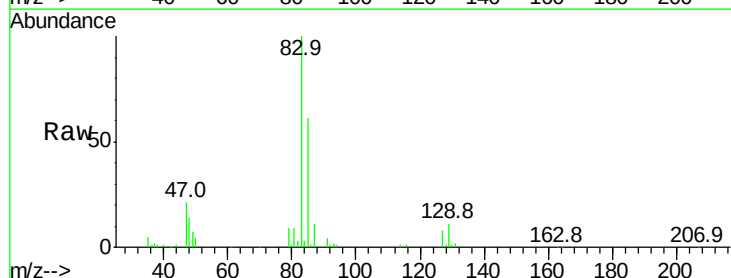
Tgt Ion: 83 Resp: 33364

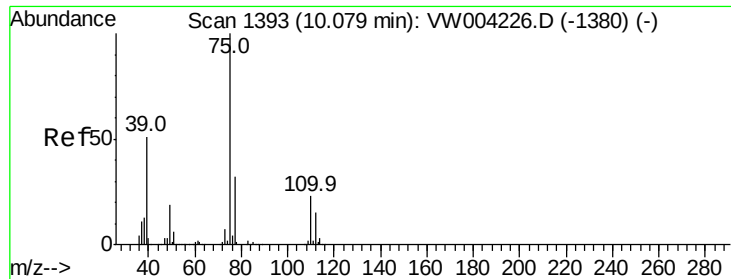
Ion Ratio Lower Upper

83 100

85 61.2 44.0 81.8

127 7.7 7.2 10.8





#42

cis-1,3-Dichloropropene

Concen: 4.758 ug/L

RT: 10.07 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VW004225.D

Acq: 26 Jul 2018 12:22

Instrument :

MSVOA_W

ClientSampleId :

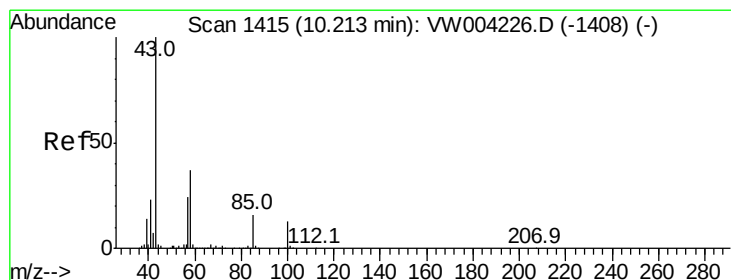
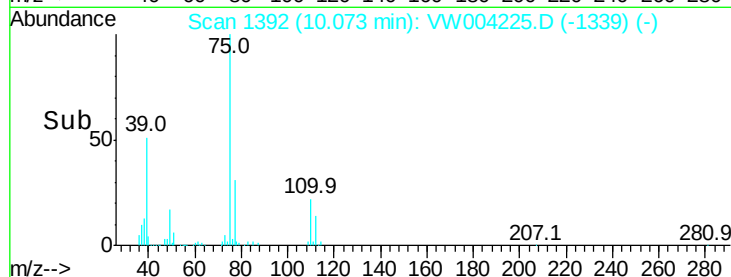
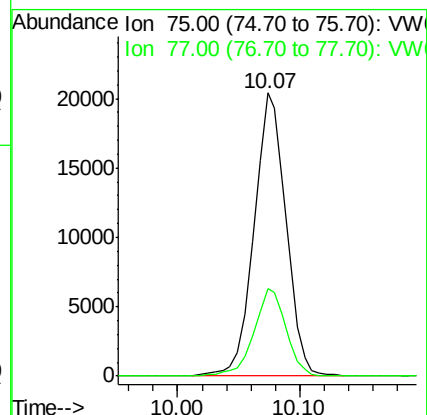
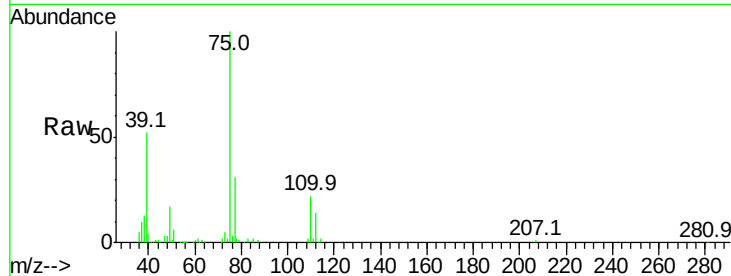
VSTD00586

Tgt Ion: 75 Resp: 37150

Ion Ratio Lower Upper

75 100

77 31.0 22.6 42.0



#43

4-Methyl-2-pentanone

Concen: 10.059 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW004225.D

Acq: 26 Jul 2018 12:22

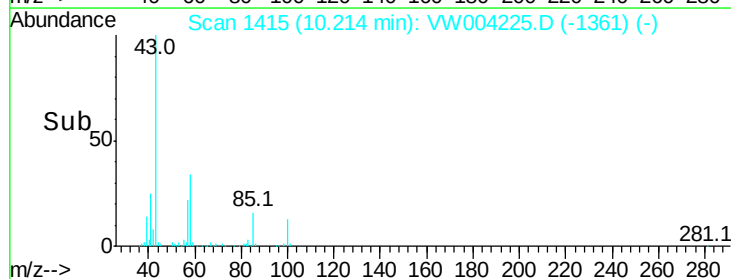
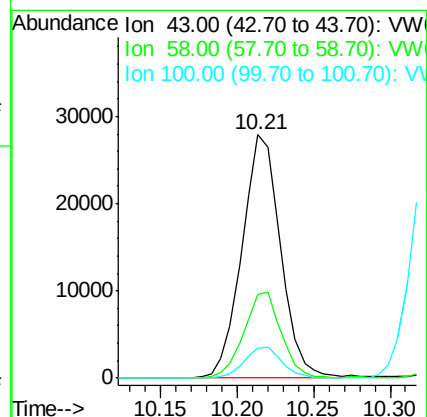
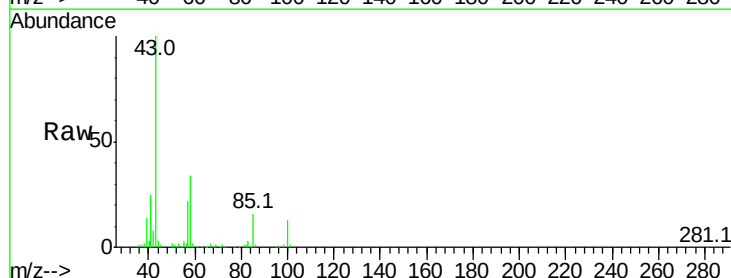
Tgt Ion: 43 Resp: 49001

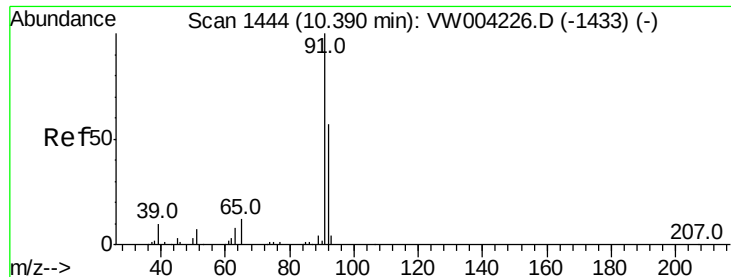
Ion Ratio Lower Upper

43 100

58 34.2 29.4 44.2

100 12.6 10.6 16.0





#44

Toluene

Concen: 4.882 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004225.D

Acq: 26 Jul 2018 12:22

Instrument :

MSVOA_W

ClientSampleId :

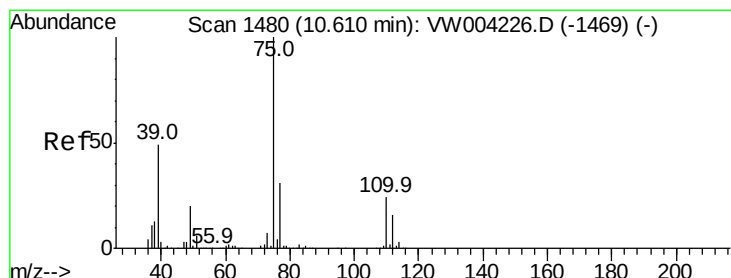
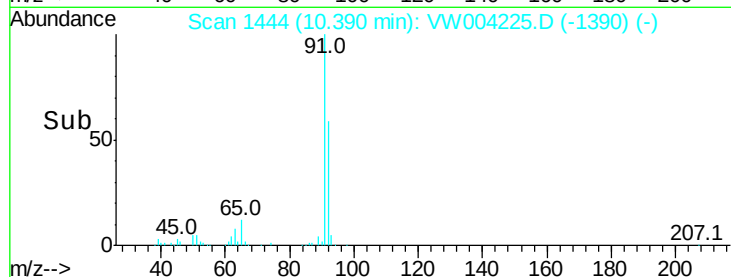
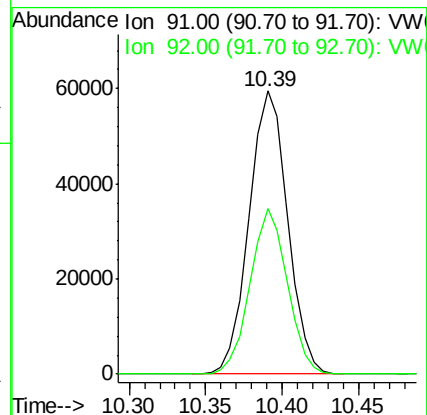
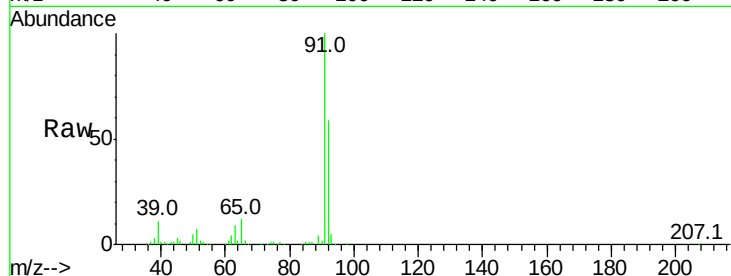
VSTD00586

Tgt Ion: 91 Resp: 104565

Ion Ratio Lower Upper

91 100

92 58.6 39.9 74.1



#45

trans-1,3-Dichloropropene

Concen: 4.630 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004225.D

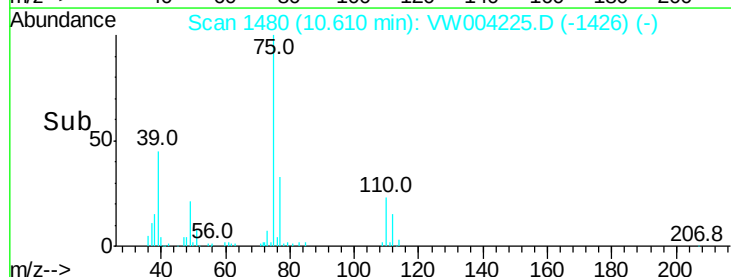
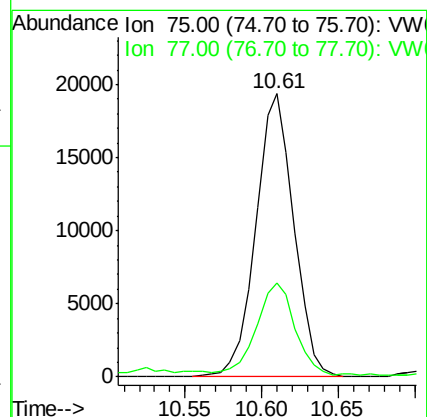
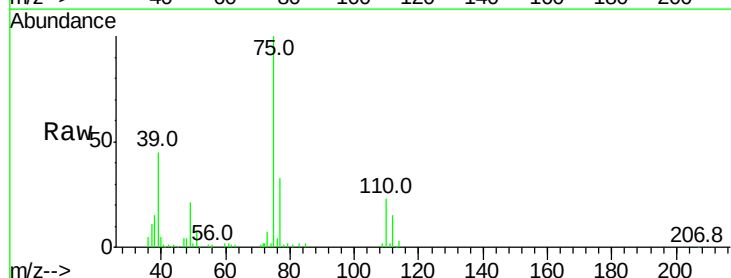
Acq: 26 Jul 2018 12:22

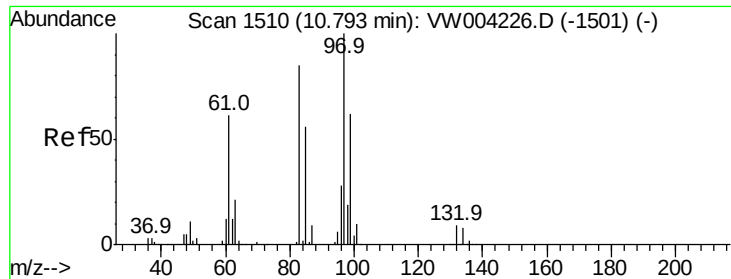
Tgt Ion: 75 Resp: 33342

Ion Ratio Lower Upper

75 100

77 33.1 21.6 40.2

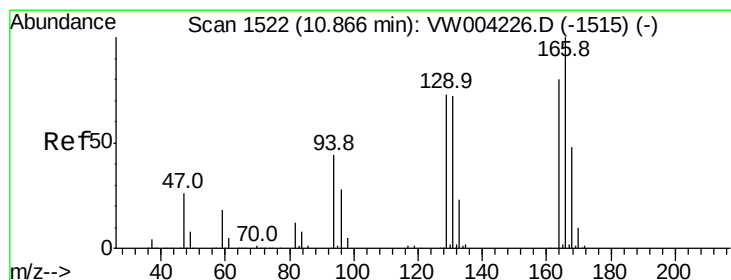
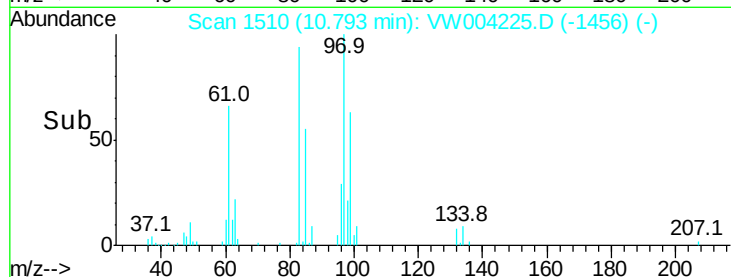
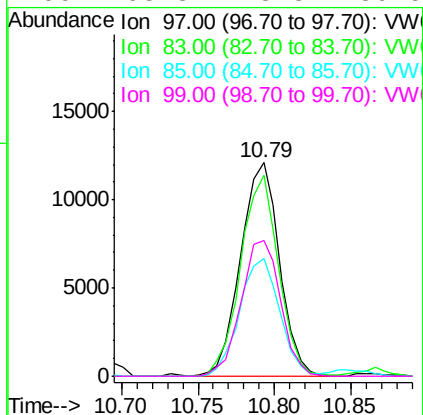
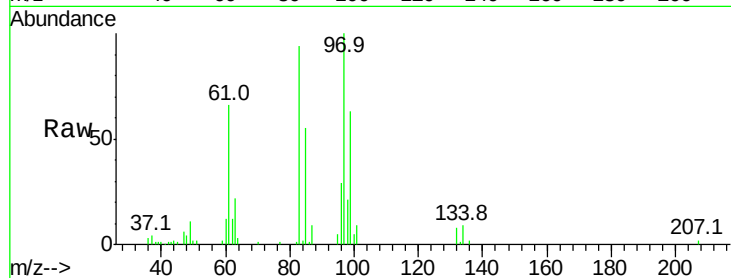




#46
1,1,2-Trichloroethane
Concen: 4.950 ug/L
RT: 10.79 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VW004225.D
Acq: 26 Jul 2018 12:22

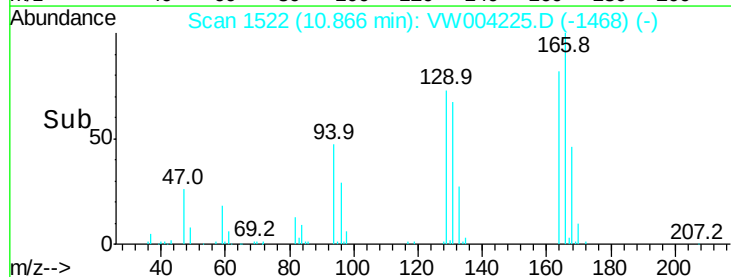
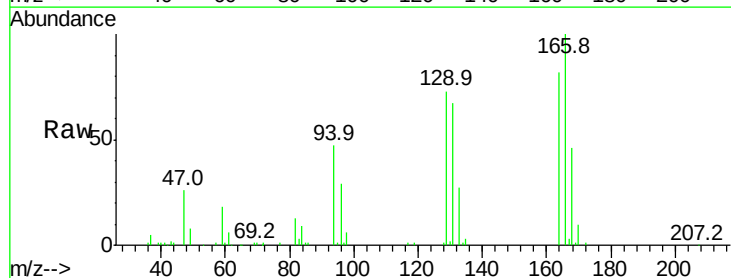
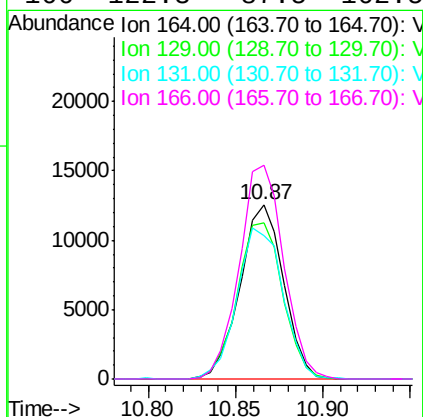
Instrument :
MSVOA_W
ClientSampleId :
VSTD00586

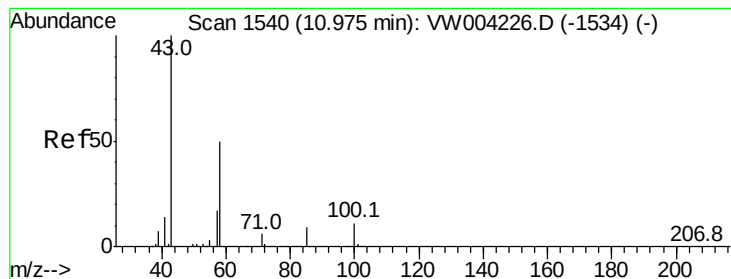
Tgt Ion: 97 Resp: 21318
Ion Ratio Lower Upper
97 100
83 94.2 59.8 111.0
85 55.0 39.3 73.1
99 63.3 43.3 80.5



#47
Tetrachloroethene
Concen: 4.923 ug/L
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW004225.D
Acq: 26 Jul 2018 12:22

Tgt Ion: 164 Resp: 21716
Ion Ratio Lower Upper
164 100
129 89.2 63.4 117.8
131 82.0 63.1 117.1
166 122.3 87.5 162.5





#49

2-Hexanone

Concen: 10.505 ug/L

RT: 10.97 min Scan# 1539

Delta R.T. -0.01 min

Lab File: VW004225.D

Acq: 26 Jul 2018 12:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD00586

Tgt Ion: 43 Resp: 39618

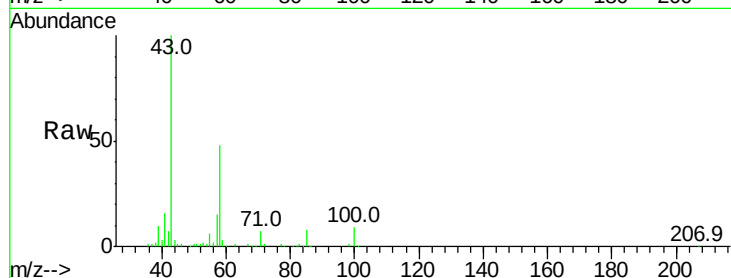
Ion Ratio Lower Upper

43 100

58 47.7 39.8 59.8

57 17.0 13.9 20.9

100 9.8 8.0 12.0

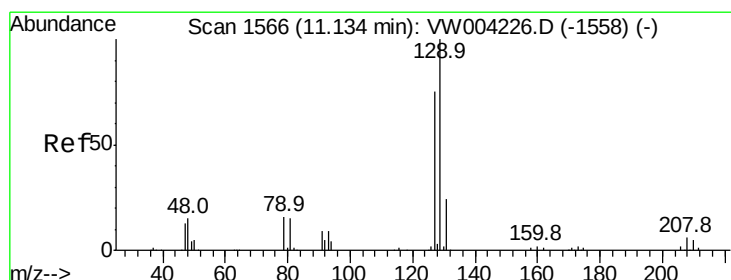
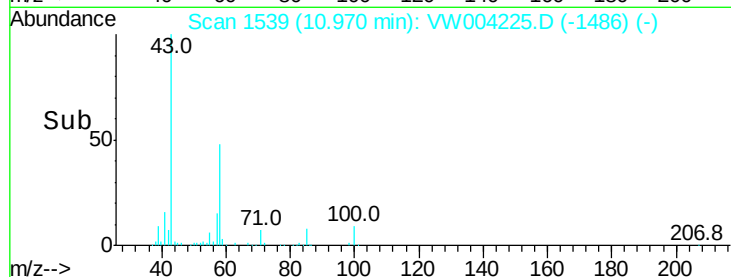
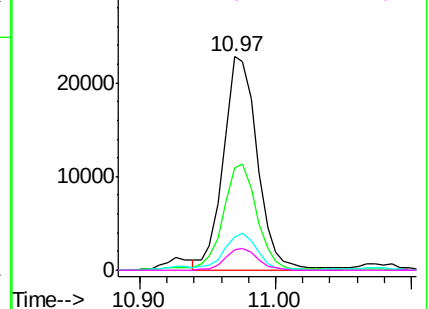


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 4.889 ug/L

RT: 11.13 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VW004225.D

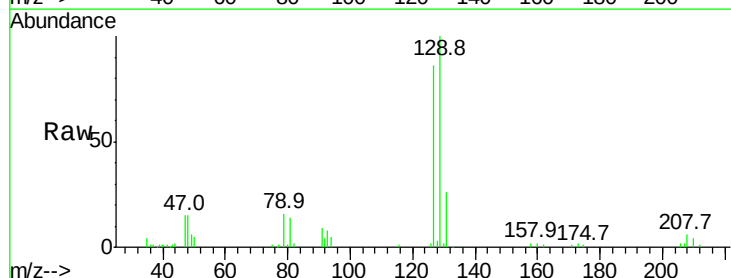
Acq: 26 Jul 2018 12:22

Tgt Ion: 129 Resp: 23585

Ion Ratio Lower Upper

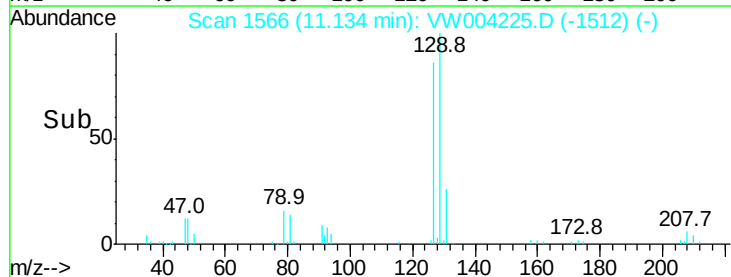
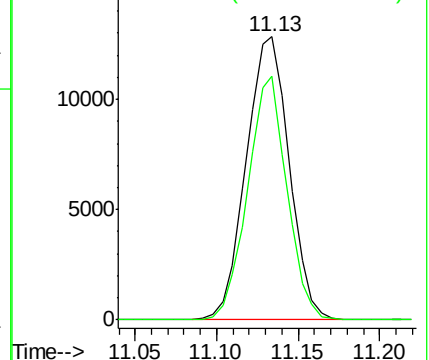
129 100

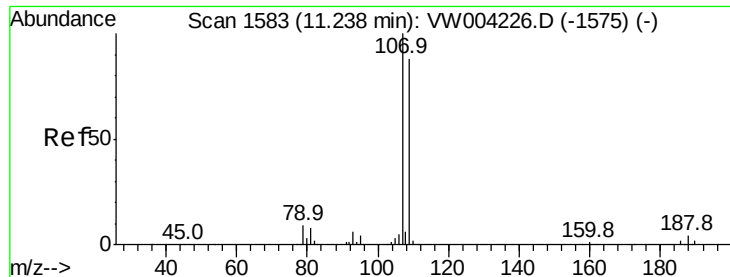
127 86.3 52.7 97.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 5.001 ug/L

RT: 11.24 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VW004225.D

Acq: 26 Jul 2018 12:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD00586

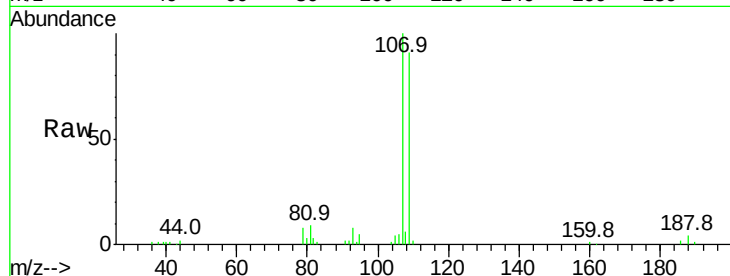
Tgt Ion:107 Resp: 21035

Ion Ratio Lower Upper

107 100

109 90.7 61.3 113.9

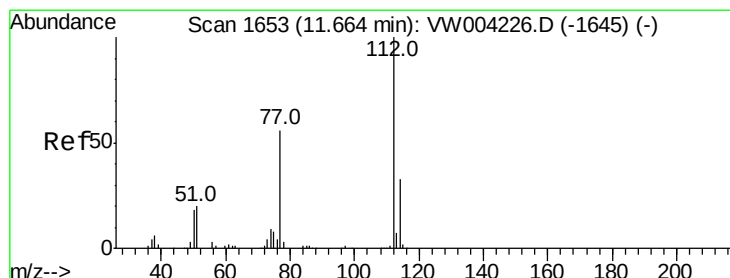
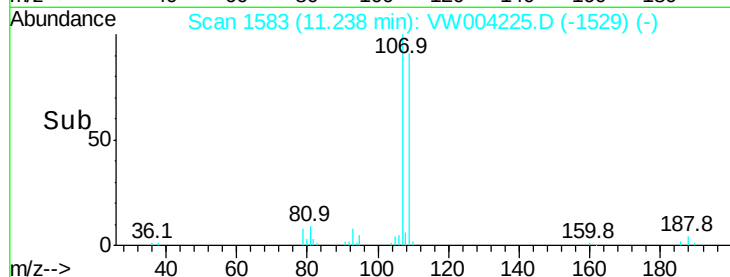
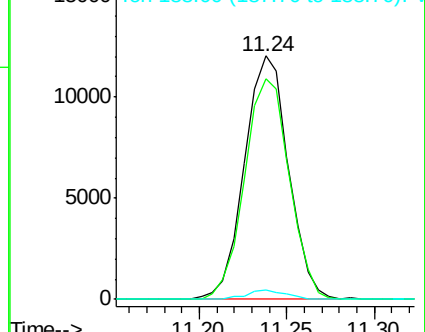
188 3.7 3.0 4.4



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: 4.988 ug/L

RT: 11.66 min Scan# 1652

Delta R.T. -0.01 min

Lab File: VW004225.D

Acq: 26 Jul 2018 12:22

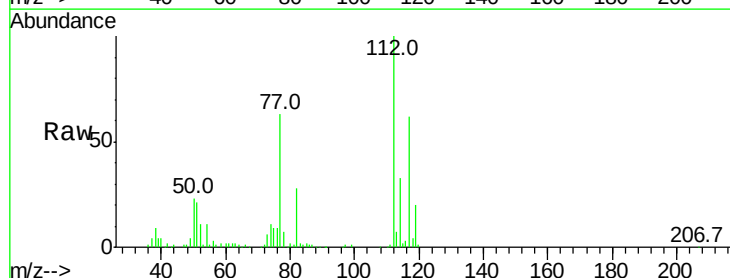
Tgt Ion:112 Resp: 68493

Ion Ratio Lower Upper

112 100

77 63.3 45.2 67.8

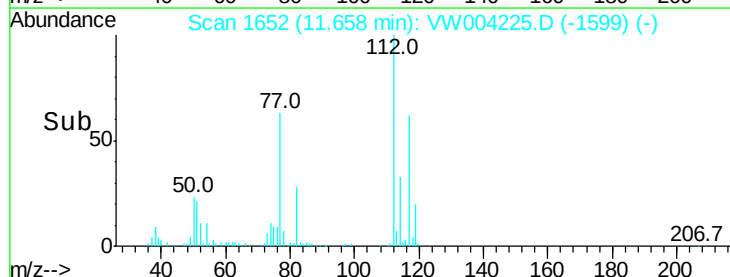
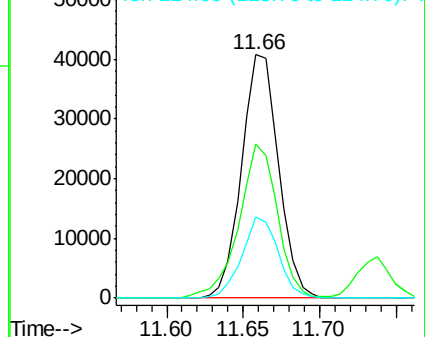
114 33.2 22.9 42.5

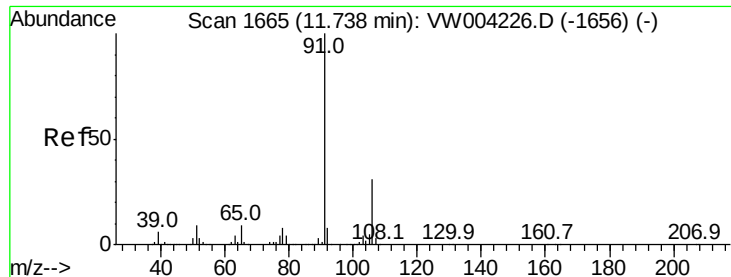


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 4.739 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW004225.D

Acq: 26 Jul 2018 12:22

Instrument :

MSVOA_W

ClientSampleId :

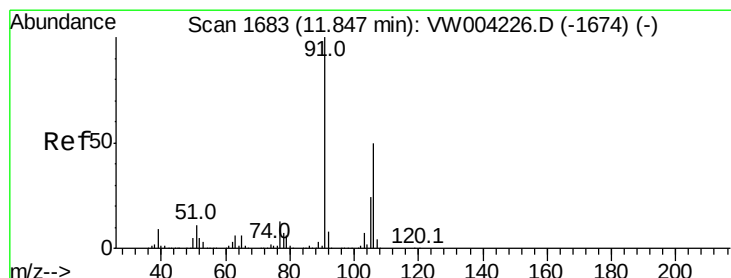
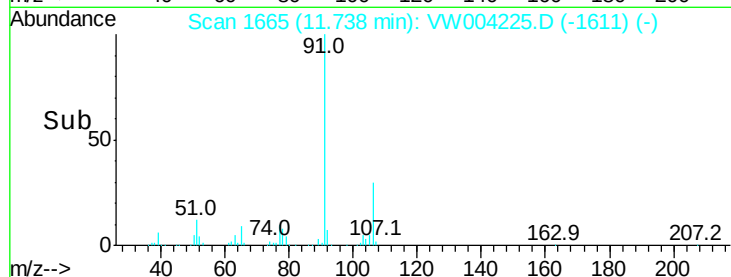
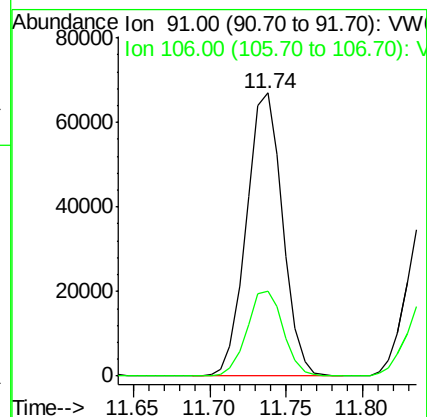
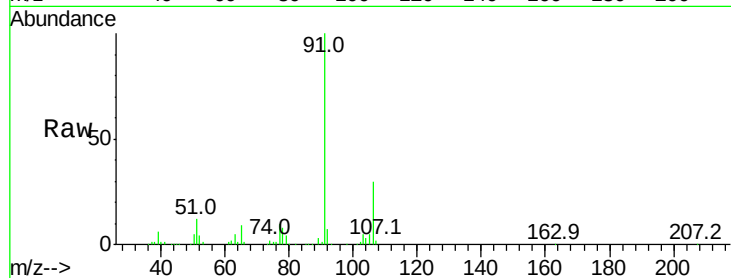
VSTD00586

Tgt Ion: 91 Resp: 109882

Ion Ratio Lower Upper

91 100

106 30.2 22.0 40.8



#54

m,p-Xylene

Concen: 4.891 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW004225.D

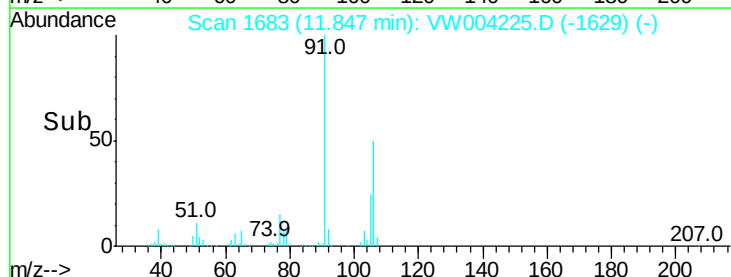
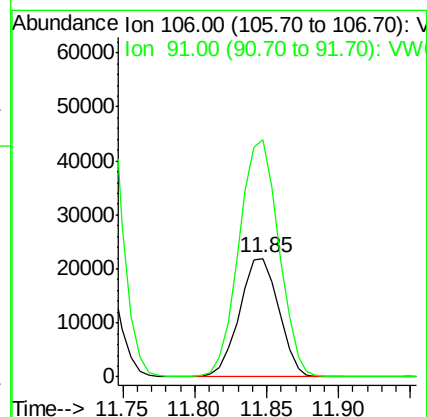
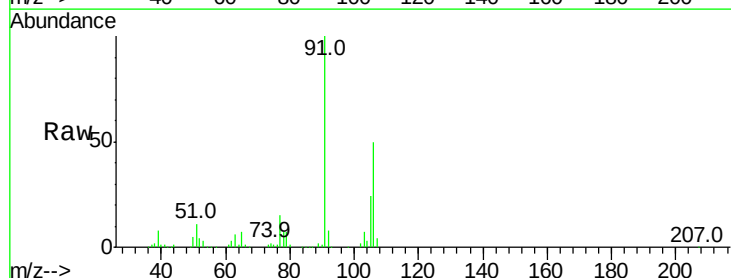
Acq: 26 Jul 2018 12:22

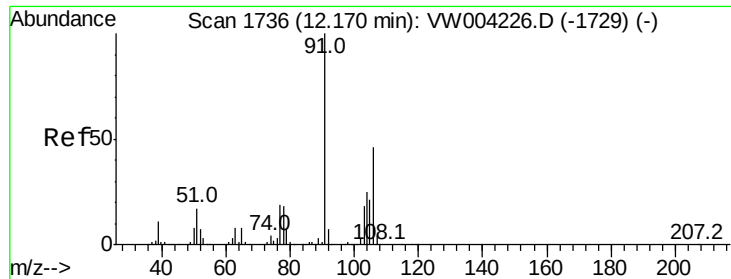
Tgt Ion: 106 Resp: 41794

Ion Ratio Lower Upper

106 100

91 199.6 138.8 257.8

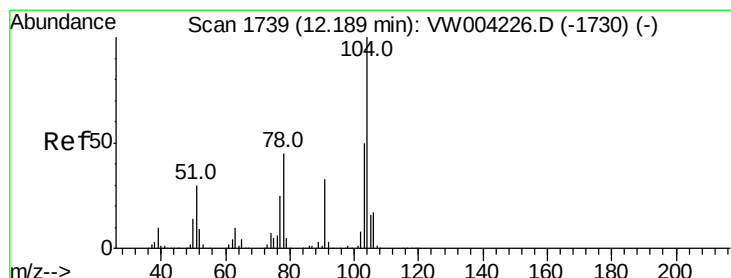
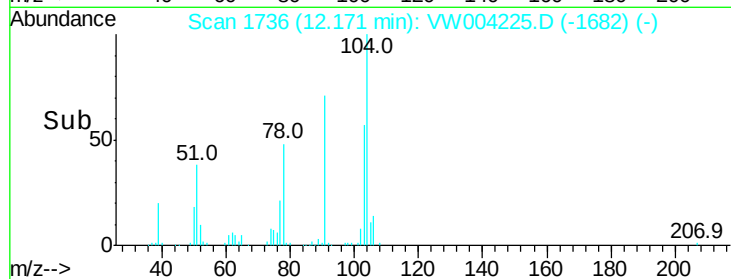
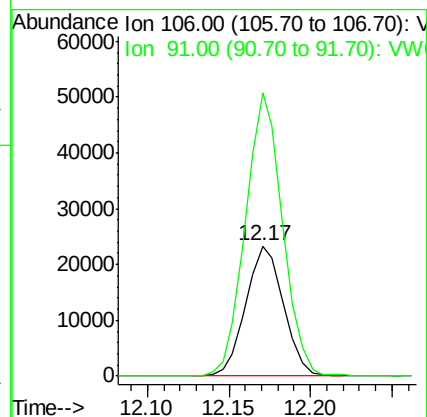
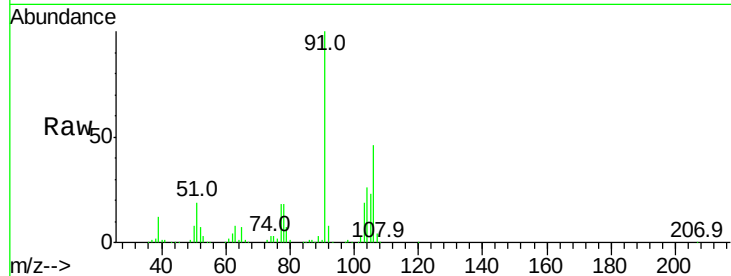




#55
o-xylene
Concen: 4.586 ug/L
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW004225.D
Acq: 26 Jul 2018 12:22

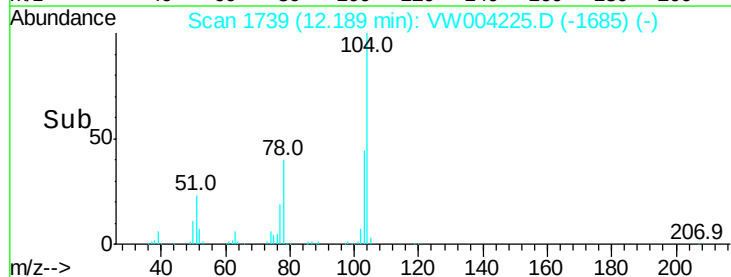
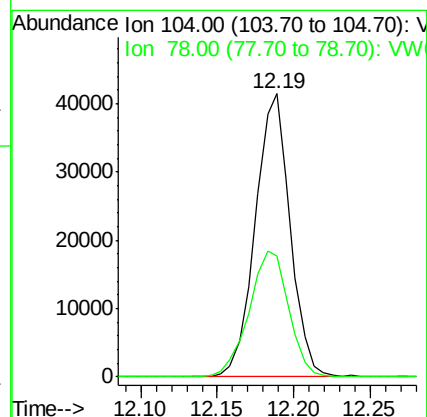
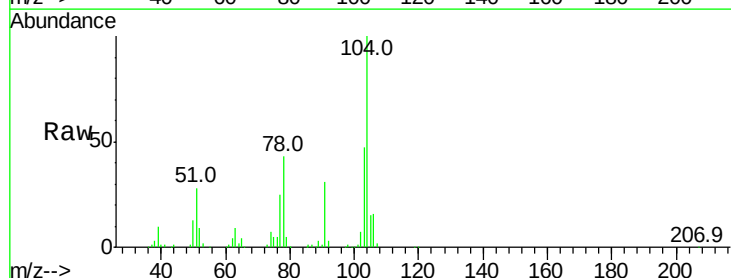
Instrument :
MSVOA_W
ClientSampled :
VSTD00586

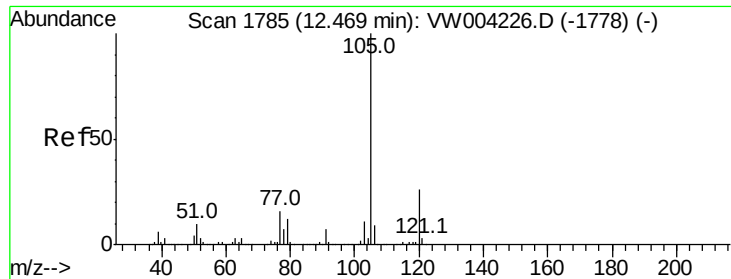
Tgt Ion:106 Resp: 37479
Ion Ratio Lower Upper
106 100
91 218.0 153.5 285.1



#56
Styrene
Concen: 4.655 ug/L
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW004225.D
Acq: 26 Jul 2018 12:22

Tgt Ion:104 Resp: 65723
Ion Ratio Lower Upper
104 100
78 42.6 31.7 58.9





#57

Isopropylbenzene

Concen: 4.543 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004225.D

Acq: 26 Jul 2018 12:22

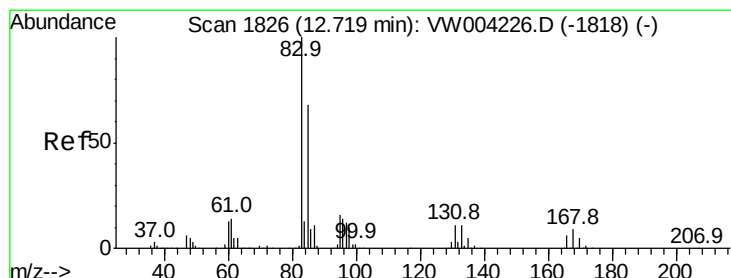
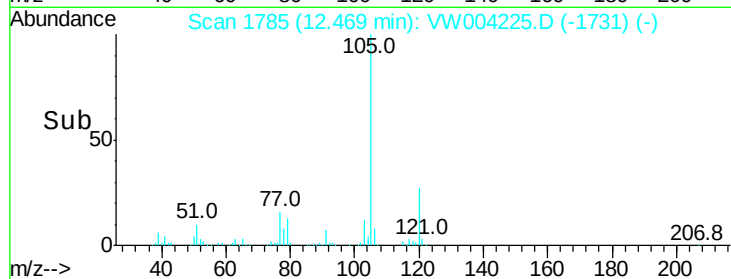
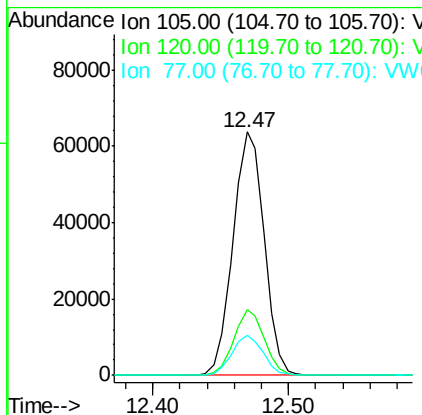
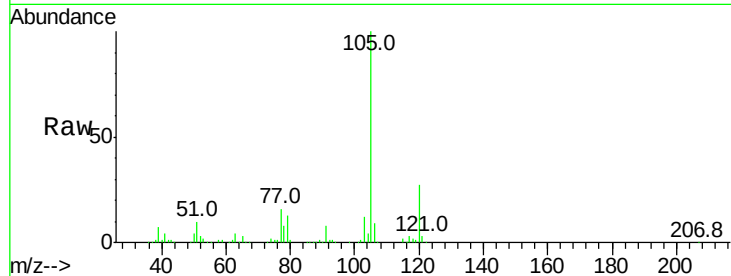
Instrument :

MSVOA_W

ClientSampleId :

VSTD00586

Tgt Ion:	105	Resp:	101807
Ion	Ratio	Lower	Upper
105	100		
120	26.2	21.4	32.0
77	16.4	13.1	19.7



#58

1,1,2,2-Tetrachloroethane

Concen: 5.343 ug/L

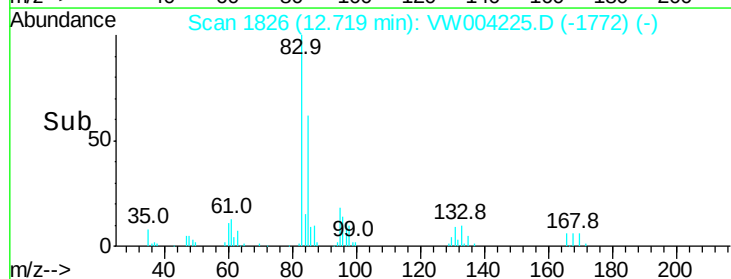
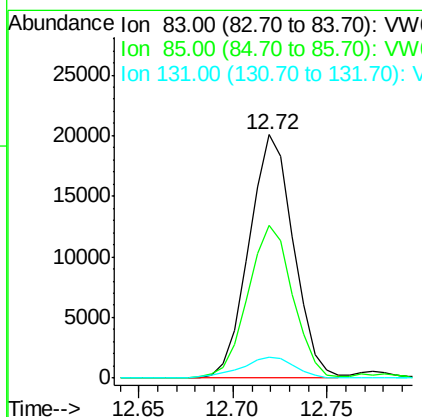
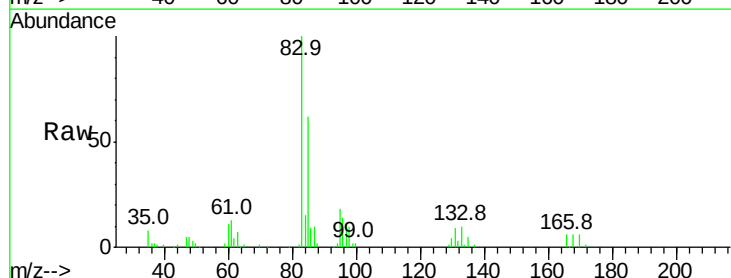
RT: 12.72 min Scan# 1826

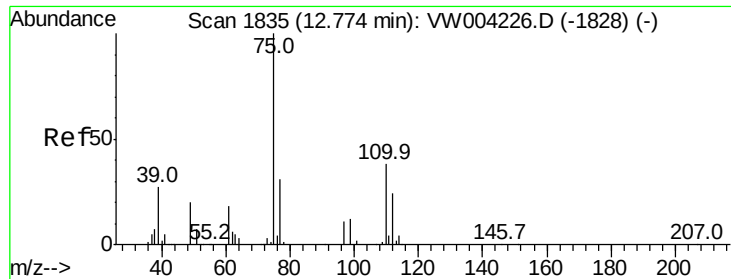
Delta R.T. 0.00 min

Lab File: VW004225.D

Acq: 26 Jul 2018 12:22

Tgt Ion:	83	Resp:	32888
Ion	Ratio	Lower	Upper
83	100		
85	62.5	47.7	88.7
131	8.8	8.8	13.2#





#59

1,2,3-Trichloropropane

Concen: 5.340 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW004225.D

Acq: 26 Jul 2018 12:22

Instrument :

MSVOA_W

ClientSampleId :

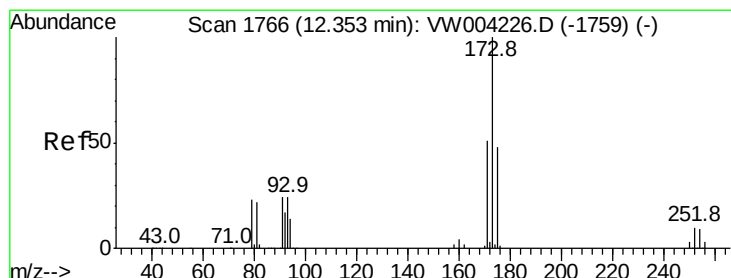
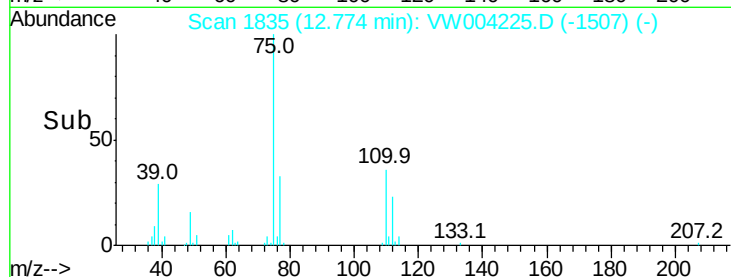
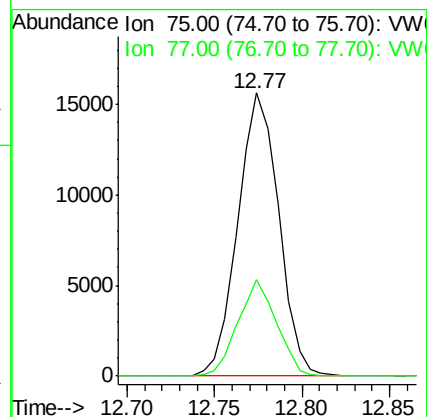
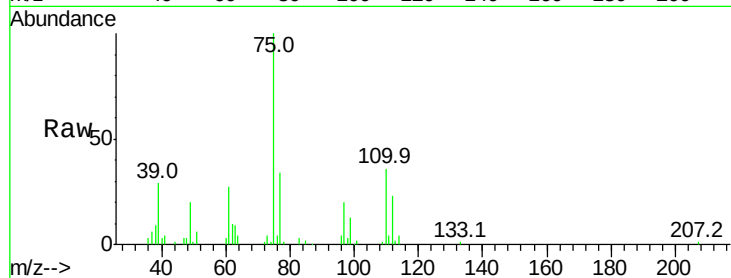
VSTD00586

Tgt Ion: 75 Resp: 25445

Ion Ratio Lower Upper

75 100

77 32.2 25.2 37.8



#62

Bromoform

Concen: 5.176 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW004225.D

Acq: 26 Jul 2018 12:22

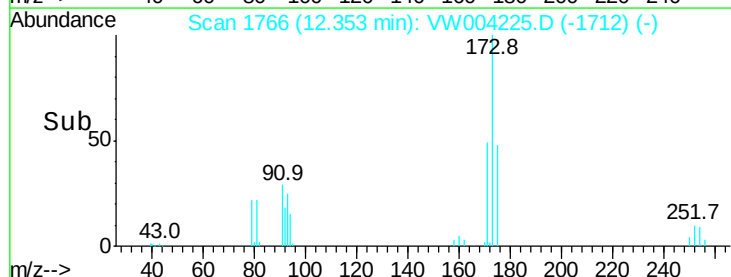
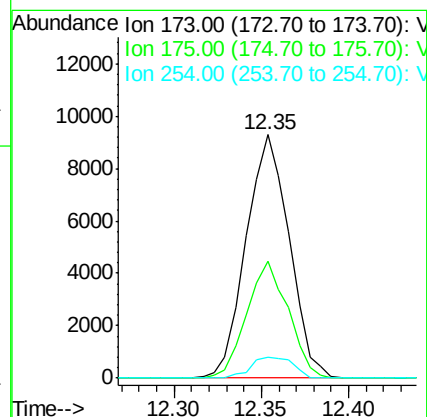
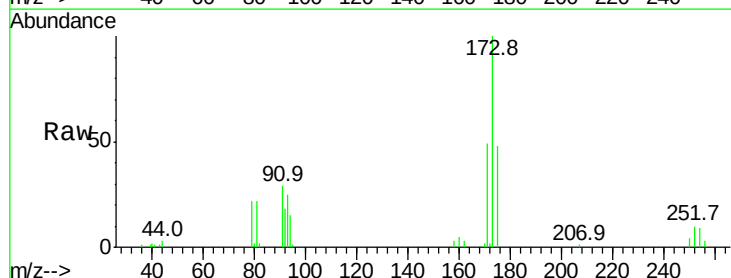
Tgt Ion: 173 Resp: 15908

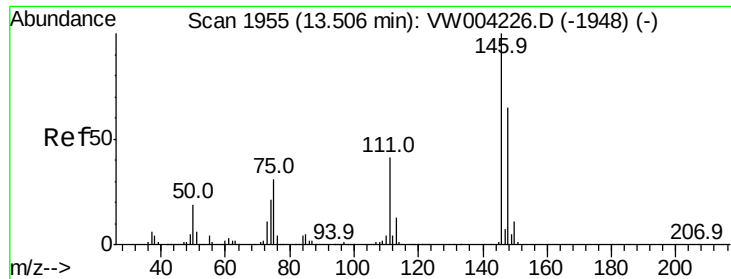
Ion Ratio Lower Upper

173 100

175 46.0 39.1 58.7

254 8.4 7.8 11.6

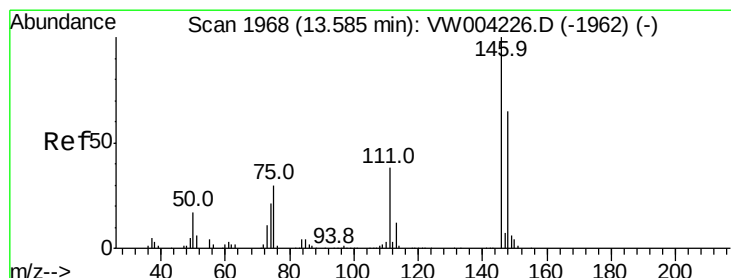
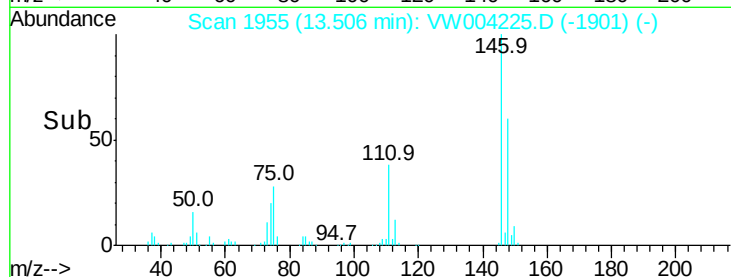
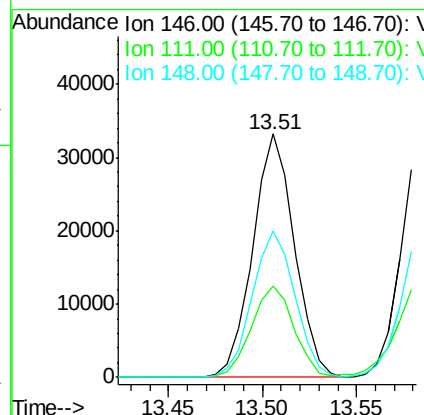
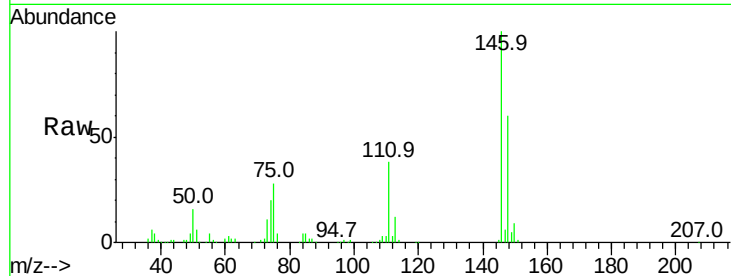




#63
 1,3-Dichlorobenzene
 Concen: 5.048 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004225.D
 Acq: 26 Jul 2018 12:22

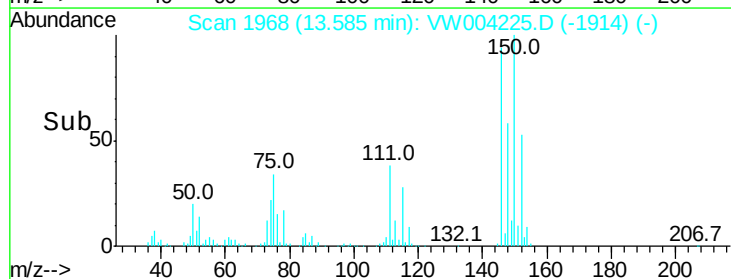
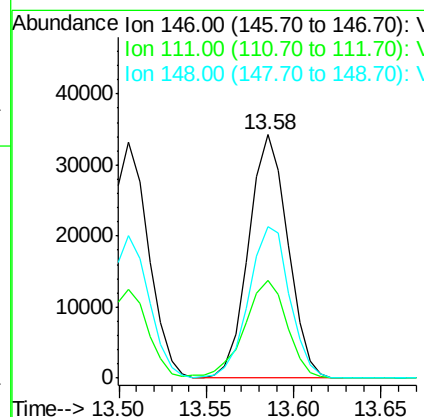
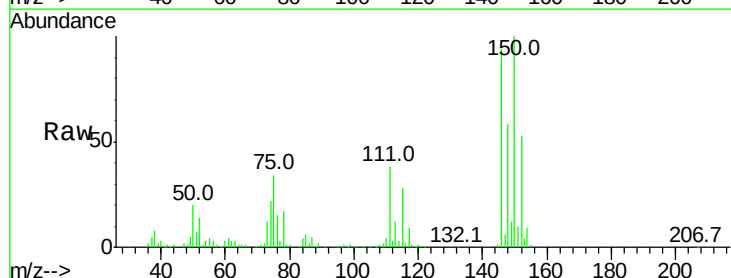
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00586

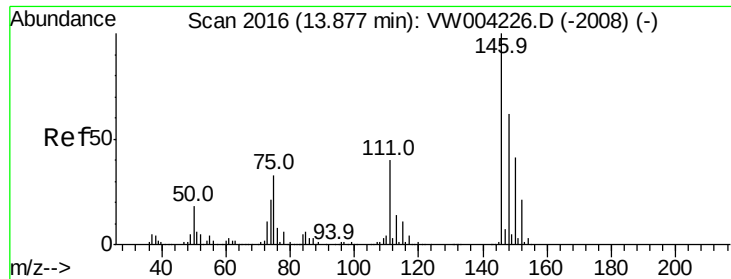
Tgt Ion:146 Resp: 50638
 Ion Ratio Lower Upper
 146 100
 111 37.5 29.0 53.8
 148 60.3 45.1 83.9



#64
 1,4-Dichlorobenzene
 Concen: 4.967 ug/L
 RT: 13.58 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW004225.D
 Acq: 26 Jul 2018 12:22

Tgt Ion:146 Resp: 53419
 Ion Ratio Lower Upper
 146 100
 111 40.3 26.9 50.1
 148 62.2 45.2 84.0

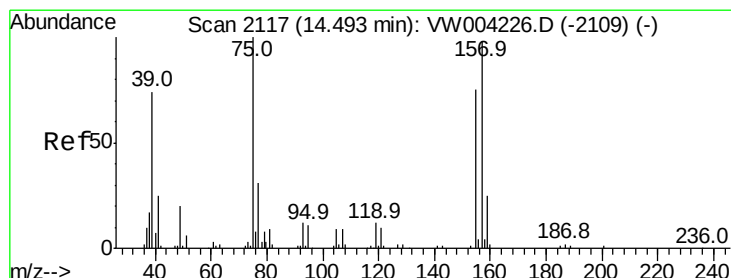
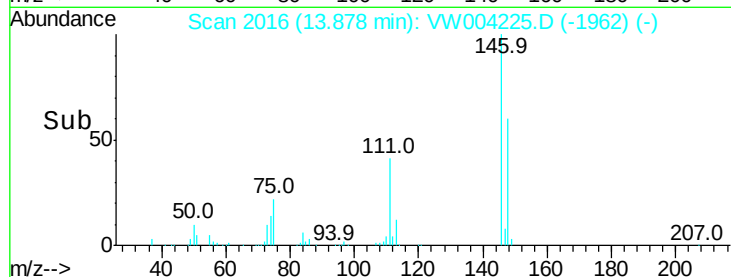
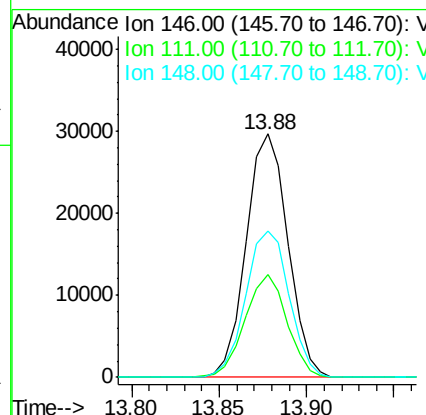
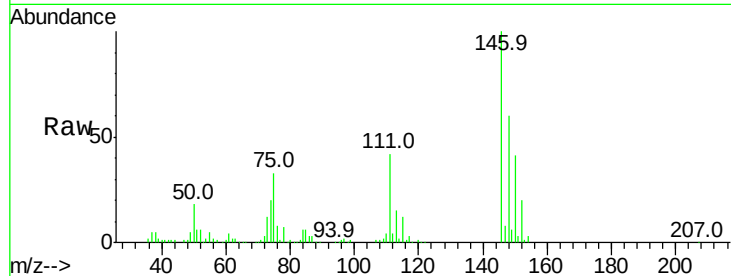




#65
 1,2-Dichlorobenzene
 Concen: 5.041 ug/L
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW004225.D
 Acq: 26 Jul 2018 12:22

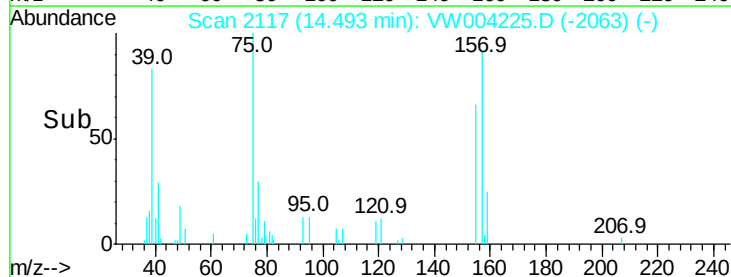
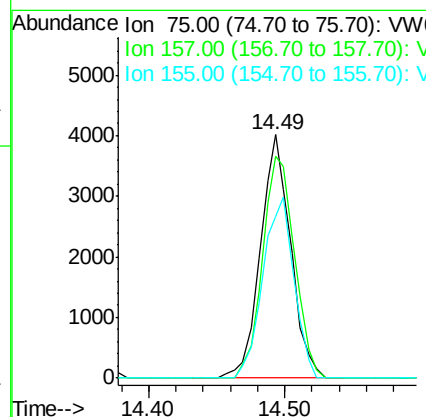
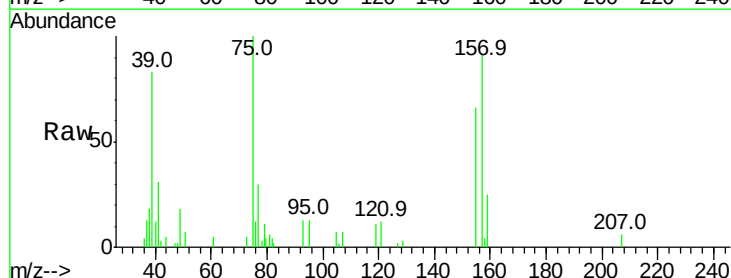
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00586

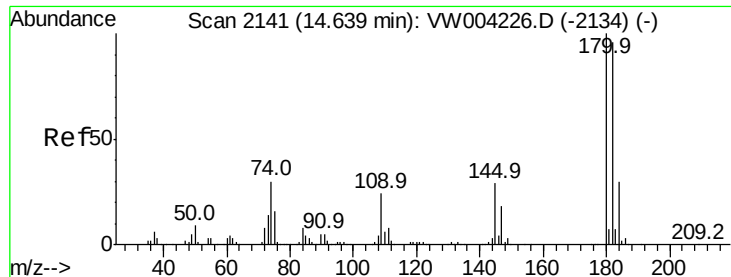
Tgt Ion:146 Resp: 49281
 Ion Ratio Lower Upper
 146 100
 111 42.3 31.9 47.9
 148 59.9 49.8 74.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.477 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW004225.D
 Acq: 26 Jul 2018 12:22

Tgt Ion: 75 Resp: 6242
 Ion Ratio Lower Upper
 75 100
 157 91.1 78.8 118.2
 155 66.3 60.2 90.4

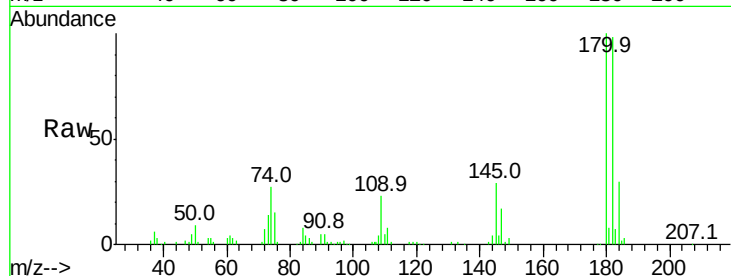




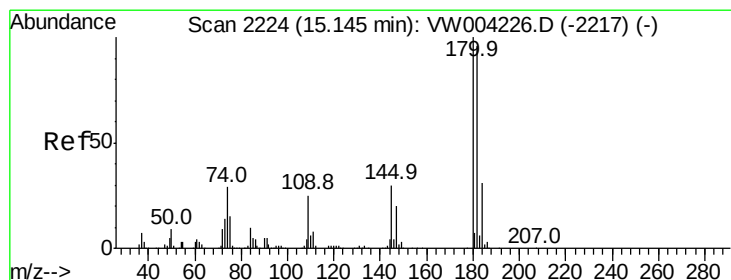
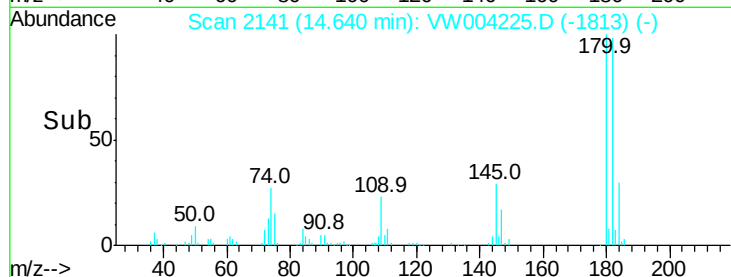
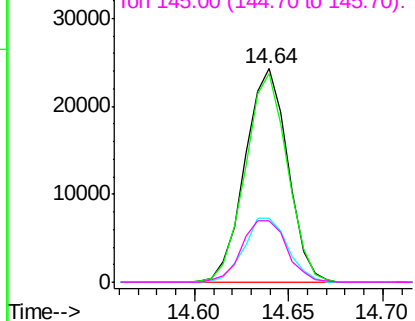
#67
 1,3,5-Trichlorobenzene
 Concen: 4.817 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VW004225.D
 Acq: 26 Jul 2018 12:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00586

Tgt Ion:180 Resp: 38205
 Ion Ratio Lower Upper
 180 100
 182 96.4 77.4 116.2
 184 30.9 23.8 35.8
 145 30.4 23.8 35.6

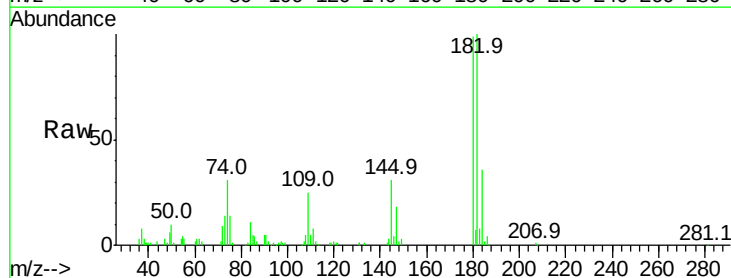


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

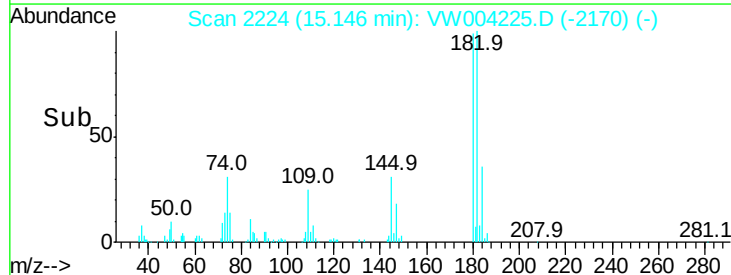
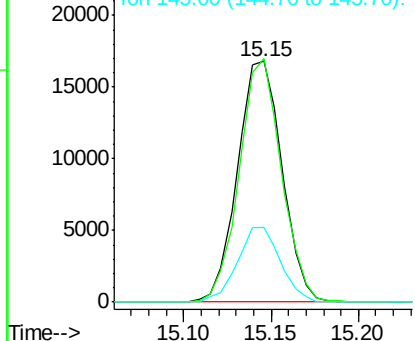


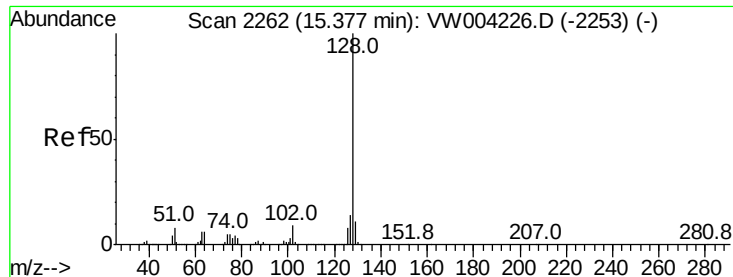
#68
 1,2,4-trichlorobenzene
 Concen: 4.674 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW004225.D
 Acq: 26 Jul 2018 12:22

Tgt Ion:180 Resp: 29733
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.2 114.2
 145 29.9 24.1 36.1



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: 4.619 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004225.D

Acq: 26 Jul 2018 12:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD00586

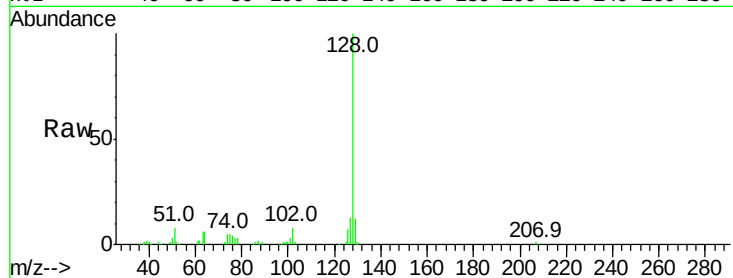
Tgt Ion:128 Resp: 66155

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

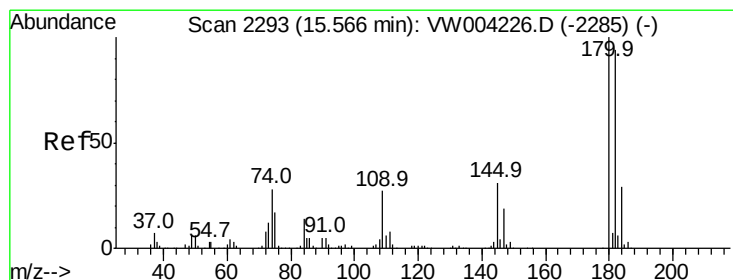
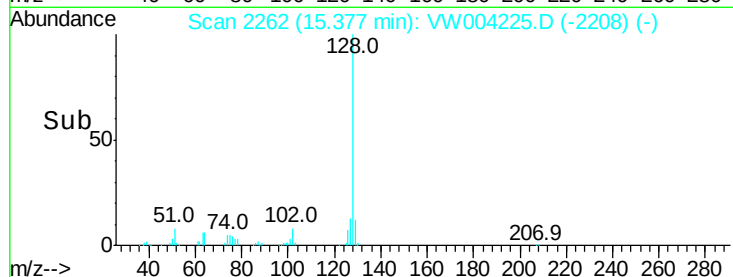
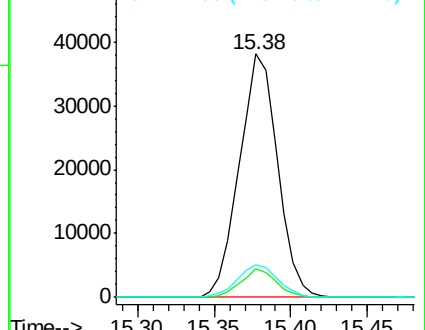
127 14.1 11.0 16.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.980 ug/L

RT: 15.57 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VW004225.D

Acq: 26 Jul 2018 12:22

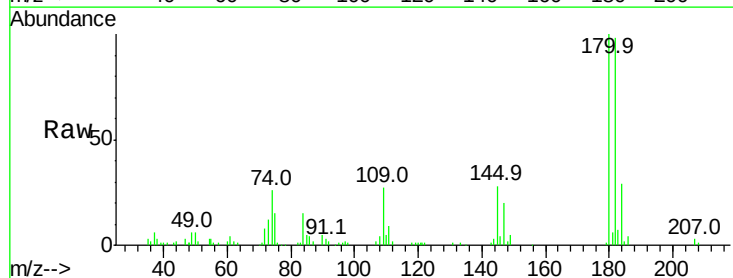
Tgt Ion:180 Resp: 30138

Ion Ratio Lower Upper

180 100

182 95.3 76.2 114.4

145 30.8 25.2 37.8



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

