

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072418\
 Data File : VW004168.D
 Acq On : 24 Jul 2018 11:27
 Operator : SY/AP
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 24 18:51:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jul 23 15:53:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	361938	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	346317	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	178783	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	66948	18.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.80%
7) Chloroethane-d5	2.88	69	53630	20.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.12%
10) 1,1-Dichloroethene-d2	4.01	63	191963	22.35	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.40%
20) 2-Butanone-d5	7.08	46	96420	45.93	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.86%
24) Chloroform-d	7.65	84	221769	25.82	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.28%
26) 1,2-Dichloroethane-d4	8.31	65	128865	24.91	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.64%
29) Benzene-d6	8.27	84	392680	24.45	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.80%
33) 1,2-Dichloropropane-d6	9.27	67	139004	25.94	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.76%
37) Toluene-d8	10.32	98	354911	24.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.36%
38) trans-1,3-Dichloropropene-	10.58	79	59643	25.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.32%
39) 2-Hexanone-d5	10.93	63	71163	49.34	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.68%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	148750	25.34	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.36%
61) 1,2-Dichlorobenzene-d4	13.86	152	146636	25.51	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.04%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	2.00	85	43357	18.71	ug/L	# 88
3) Chloromethane	2.21	50	81857	22.10	ug/L	97
5) Vinyl chloride	2.36	62	117959	21.15	ug/L	96
6) Bromomethane	2.78	94	64751	21.86	ug/L	99
8) Chloroethane	2.92	64	63012	21.55	ug/L	96
9) Trichlorofluoromethane	3.25	101	58417	21.02	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	124121	25.11	ug/L	97
12) 1,1-Dichloroethene	4.03	96	120455	25.00	ug/L	95
13) Acetone	4.12	43	87147	38.18	ug/L	100
14) Carbon disulfide	4.37	76	371903	23.86	ug/L	99
15) Methyl Acetate	4.67	43	81877	21.03	ug/L	99
16) Methylene chloride	4.91	84	136446	19.65	ug/L	97
17) Methyl tert-butyl Ether	5.42	73	234353	25.15	ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	129381	26.08	ug/L	99
19) 1,1-Dichloroethane	6.21	63	251233	26.62	ug/L	98
21) 2-Butanone	7.18	43	114478	40.42	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	142892	26.95	ug/L	99

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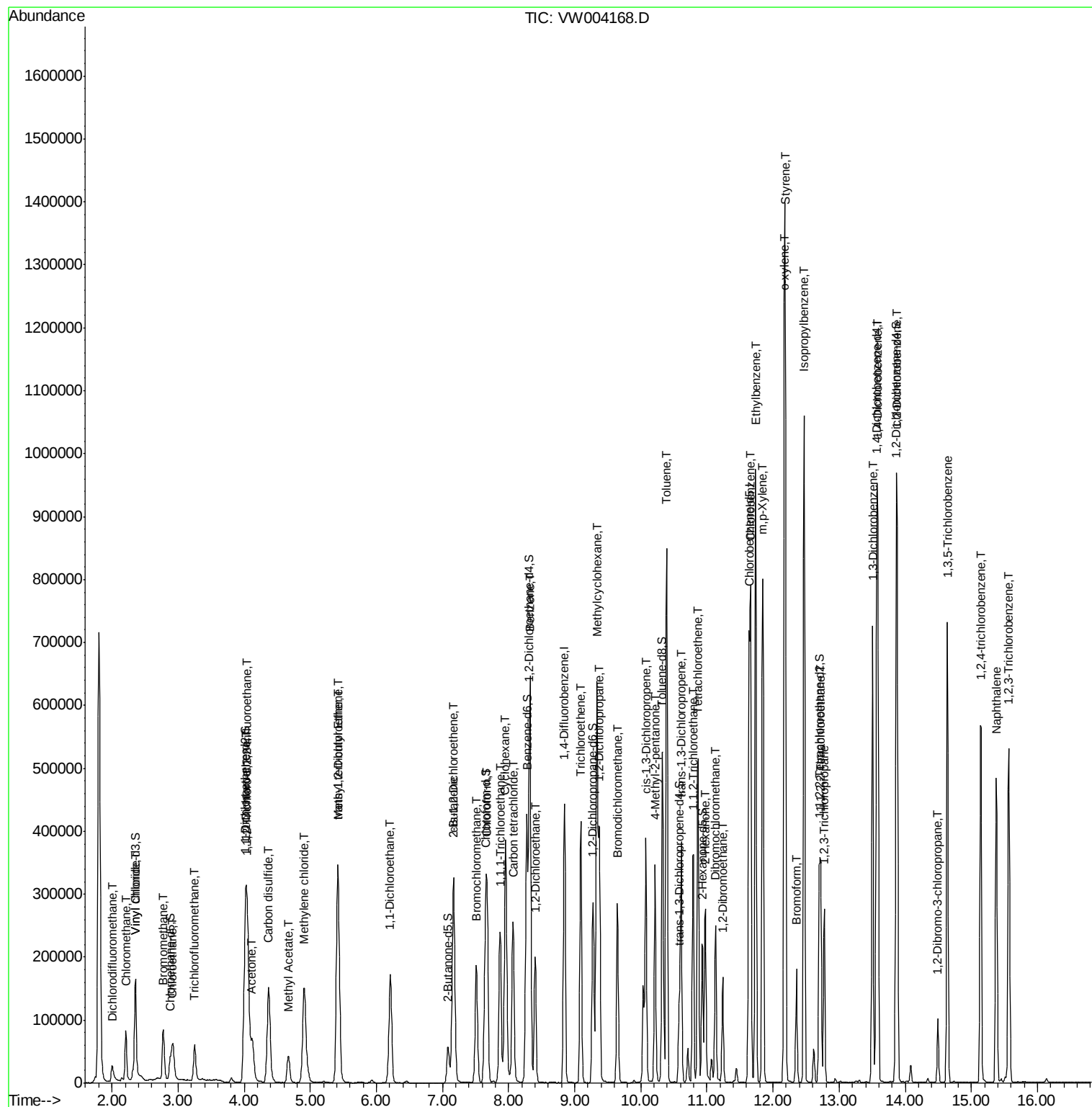
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	66418	26.64	ug/L	97
25) Chloroform	7.68	83	254990	26.46	ug/L	99
27) 1,2-Dichloroethane	8.40	62	181405	25.54	ug/L	98
30) Cyclohexane	7.95	56	216929	25.68	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	195978	24.88	ug/L	98
32) Carbon tetrachloride	8.07	117	189897	24.99	ug/L	100
34) Benzene	8.32	78	564448	26.59	ug/L	100
35) Trichloroethene	9.09	95	144588	25.46	ug/L	99
36) Methylcyclohexane	9.34	83	247092	26.32	ug/L	100
40) 1,2-Dichloropropane	9.37	63	152700	26.53	ug/L	99
41) Bromodichloromethane	9.65	83	187286	26.43	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	220555	27.20	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	227911	45.05	ug/L	100
44) Toluene	10.39	91	606887	27.28	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	201074	26.88	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	113073	25.28	ug/L	98
47) Tetrachloroethene	10.87	164	116906	25.52	ug/L	97
49) 2-Hexanone	10.98	43	179201	45.75	ug/L	100
50) Dibromochloromethane	11.13	129	134505	26.85	ug/L	96
51) 1,2-Dibromoethane	11.24	107	108582	24.86	ug/L	99
52) Chlorobenzene	11.66	112	382838	26.84	ug/L	98
53) Ethylbenzene	11.74	91	679649	28.23	ug/L	100
54) m,p-Xylene	11.85	106	252889	28.50	ug/L	100
55) o-xylene	12.17	106	240461	28.33	ug/L	99
56) Styrene	12.19	104	421235	28.73	ug/L	98
57) Isopropylbenzene	12.47	105	656919	28.23	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	150376	23.52	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	113041	22.84	ug/L	99
62) Bromoform	12.35	173	82534	24.46	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	291683	26.49	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	309331	26.20	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	285334	26.59	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	25910	20.71	ug/L	99
67) 1,3,5-Trichlorobenzene	14.64	180	230293	26.45	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	184774	26.46	ug/L	99
69) Naphthalene	15.38	128	401727	25.55	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	181019	27.25	ug/L	99

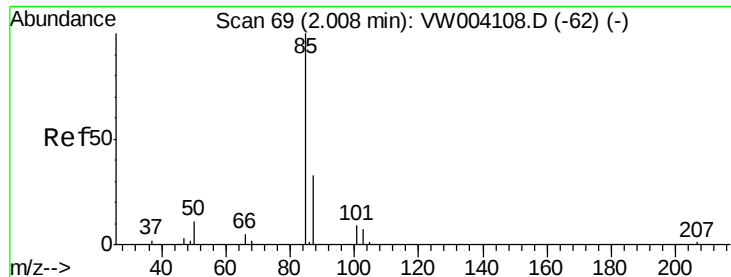
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 18.71 ug/L

RT: 2.00 min Scan# 68

Delta R.T. -0.01 min

Lab File: VW004168.D

Acq: 24 Jul 2018 11:27

Instrument :

MSVOA_W

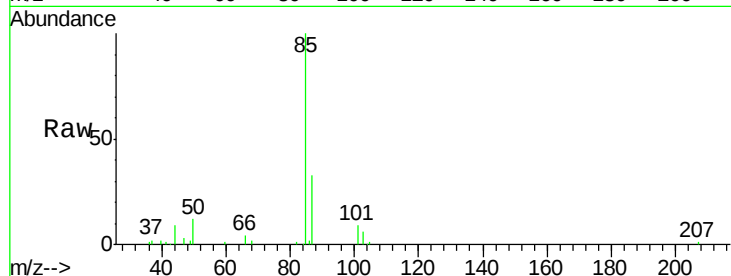
ClientSampleId :

Tot Ion: 85 Resp: 43357

Ion Ratio Lower Upper

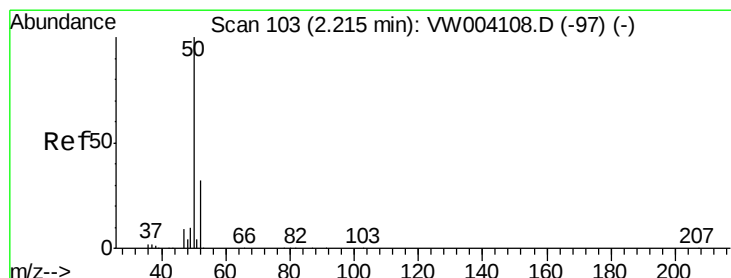
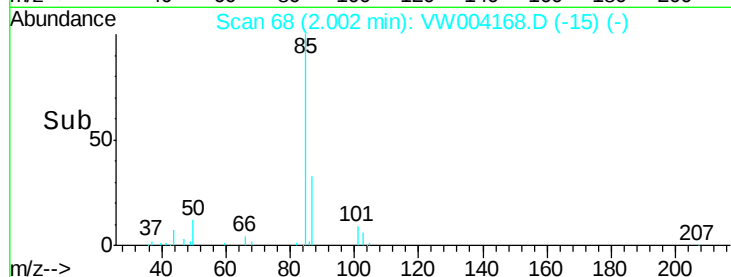
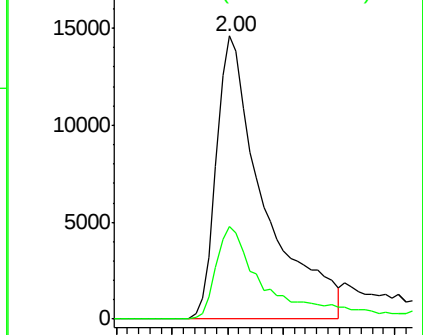
85 100

87 28.0 0.1 0.1#



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 22.10 ug/L

RT: 2.21 min Scan# 102

Delta R.T. -0.00 min

Lab File: VW004168.D

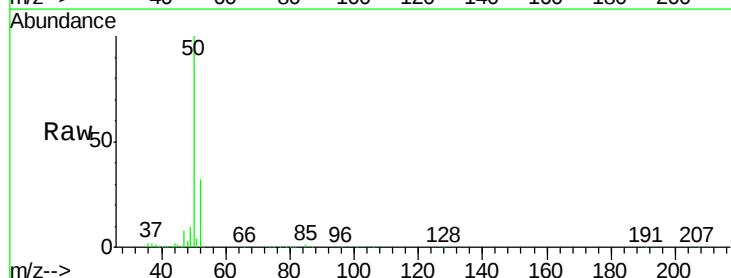
Acq: 24 Jul 2018 11:27

Tgt Ion: 50 Resp: 81857

Ion Ratio Lower Upper

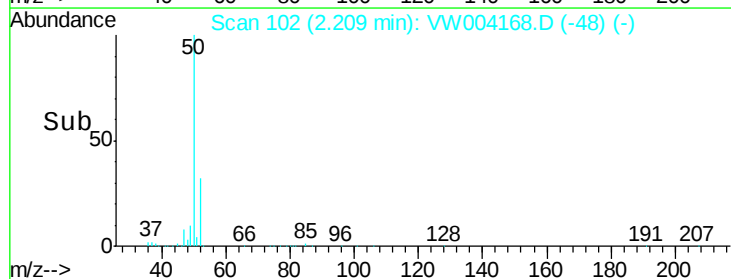
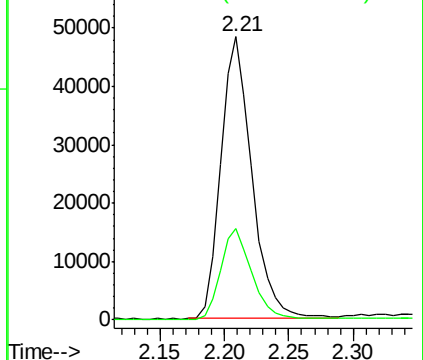
50 100

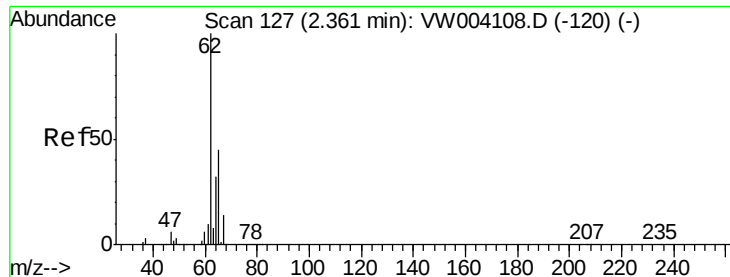
52 32.1 21.3 39.6



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 21.15 ug/L

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW004168.D

Acq: 24 Jul 2018 11:27

Instrument :

MSVOA_W

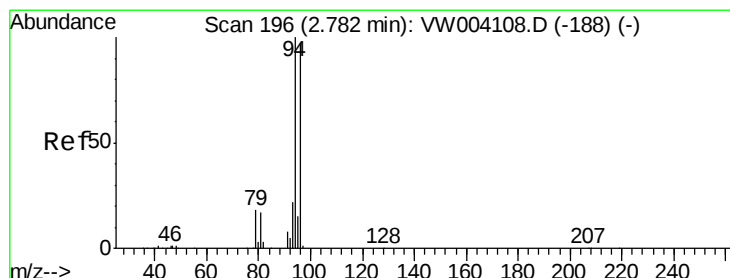
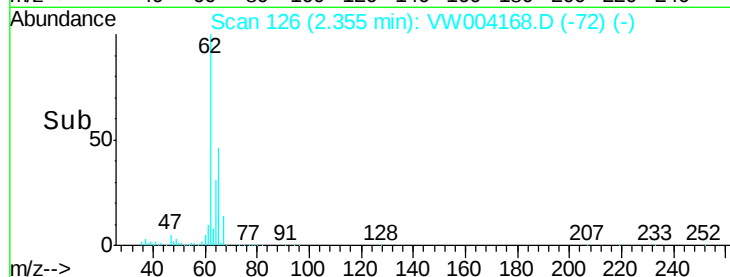
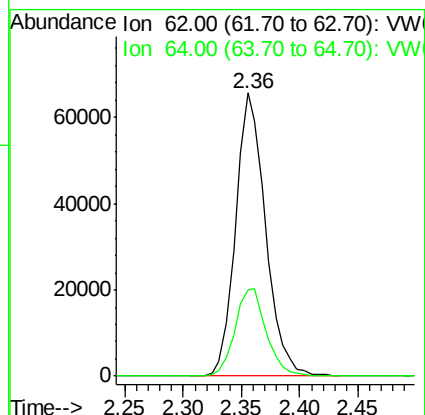
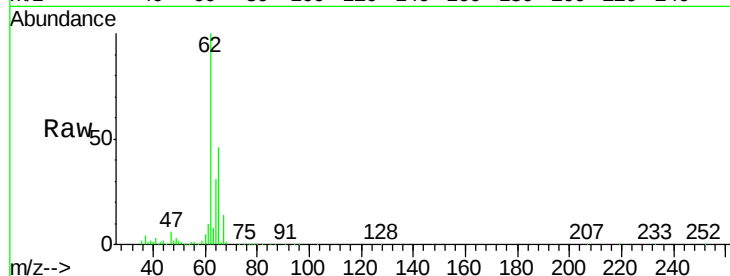
ClientSampled :

Tot Ion: 62 Resp: 117959

Ion Ratio Lower Upper

62 100

64 30.6 23.1 42.9



#6

Bromomethane

Concen: 21.86 ug/L

RT: 2.78 min Scan# 195

Delta R.T. -0.00 min

Lab File: VW004168.D

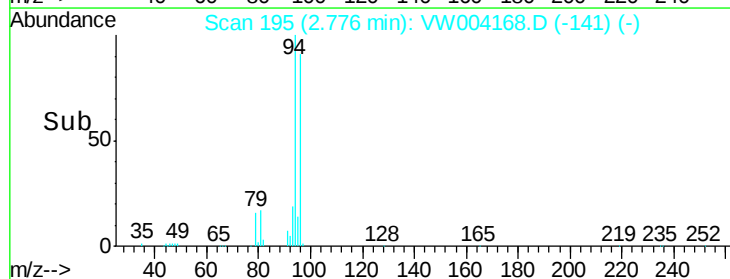
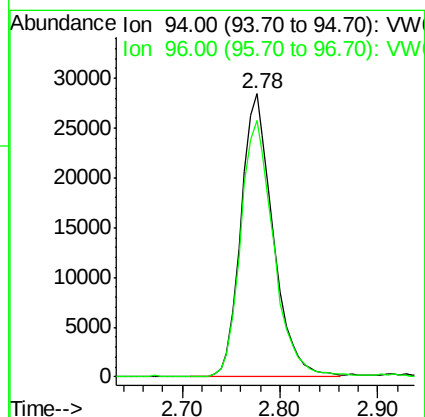
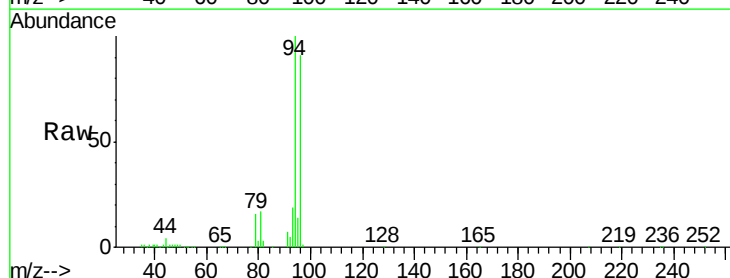
Acq: 24 Jul 2018 11:27

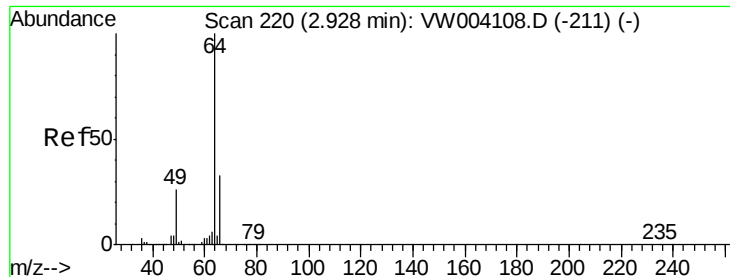
Tgt Ion: 94 Resp: 64751

Ion Ratio Lower Upper

94 100

96 93.4 9.5 179.9





#8

Chloroethane

Concen: 21.55 ug/L

RT: 2.92 min Scan# 219

Delta R.T. -0.00 min

Lab File: VW004168.D

Acq: 24 Jul 2018 11:27

Instrument :

MSVOA_W

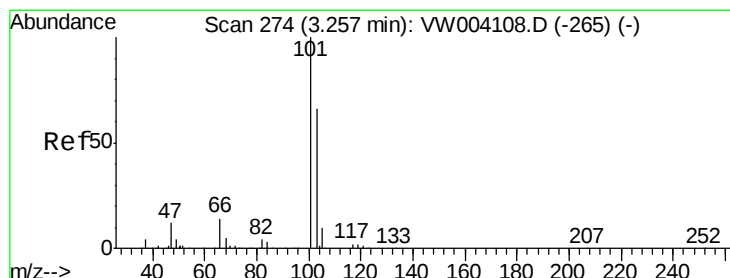
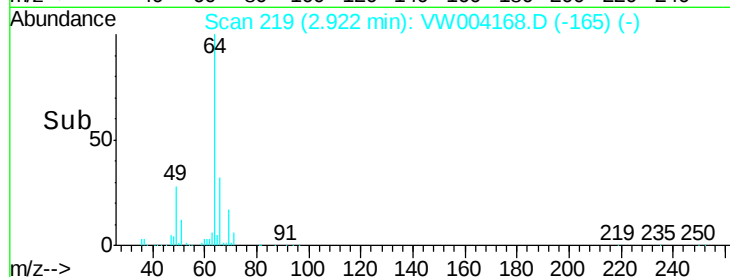
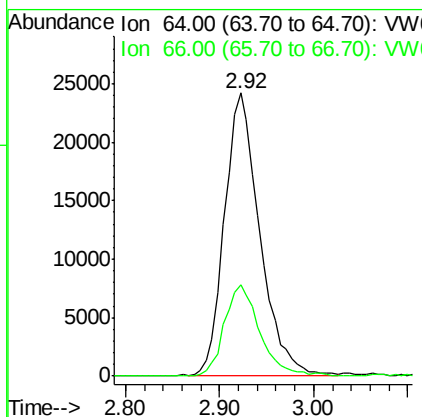
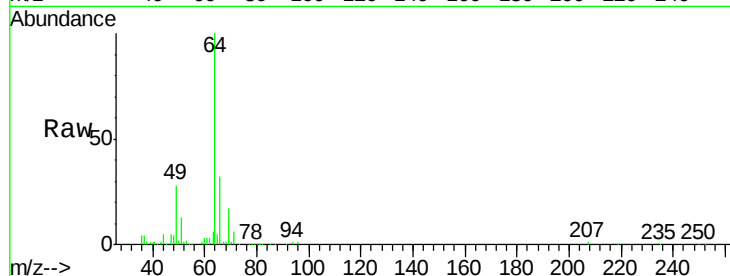
ClientSampled :

Tot Ion: 64 Resp: 63012

Ion Ratio Lower Upper

64 100

66 32.3 21.2 39.4



#9

Trichlorofluoromethane

Concen: 21.02 ug/L

RT: 3.25 min Scan# 273

Delta R.T. -0.00 min

Lab File: VW004168.D

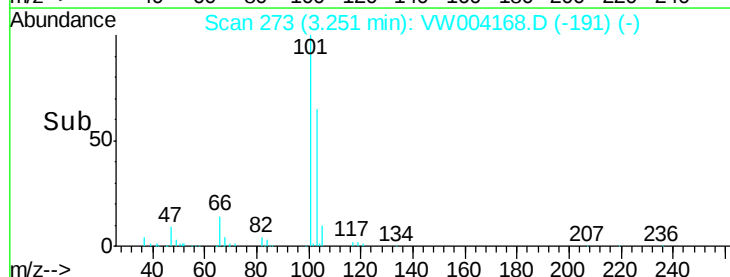
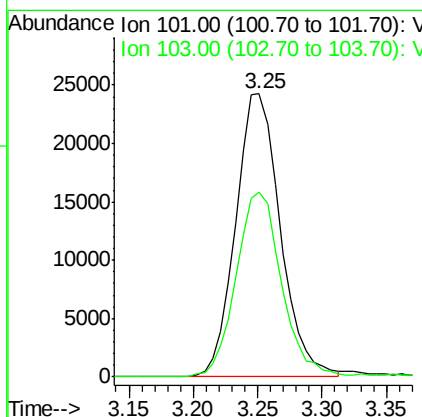
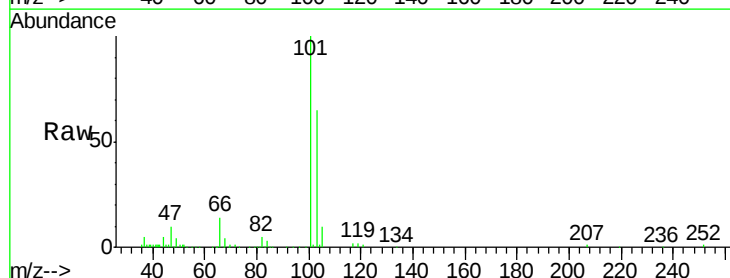
Acq: 24 Jul 2018 11:27

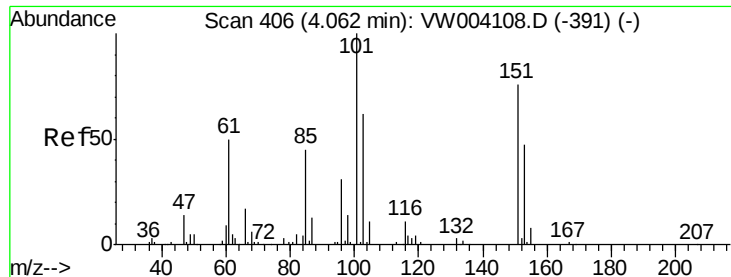
Tgt Ion: 101 Resp: 58417

Ion Ratio Lower Upper

101 100

103 66.1 45.6 84.8





#11

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

Concen: 25.11 ug/L

RT: 4.05 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW004168.D

Acq: 24 Jul 2018 11:27

Instrument :

MSVOA_W

ClientSampled :

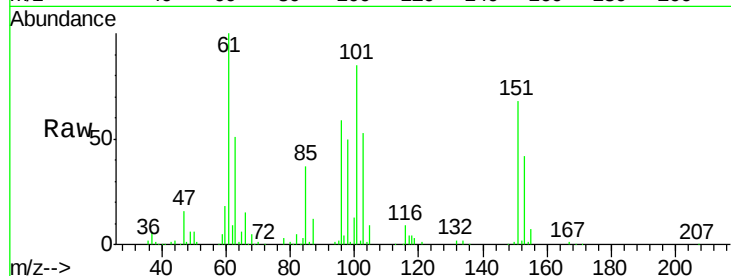
Tot Ion:101 Resp: 124121

Ion Ratio Lower Upper

101 100

85 44.8 36.2 54.4

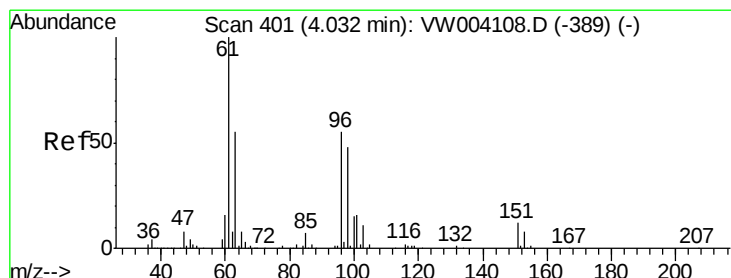
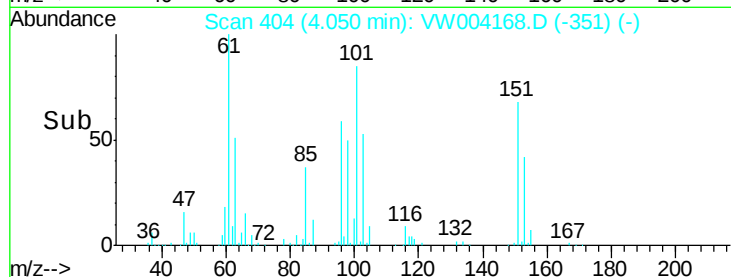
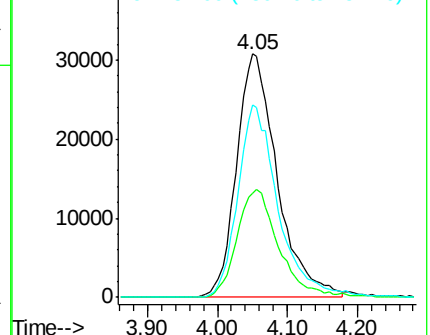
151 77.7 59.5 89.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 25.00 ug/L

RT: 4.03 min Scan# 400

Delta R.T. -0.00 min

Lab File: VW004168.D

Acq: 24 Jul 2018 11:27

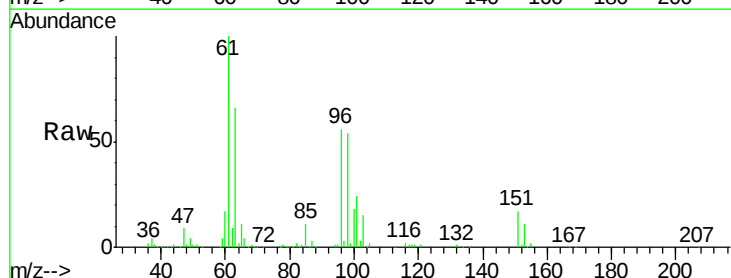
Tgt Ion: 96 Resp: 120455

Ion Ratio Lower Upper

96 100

61 177.8 127.3 236.5

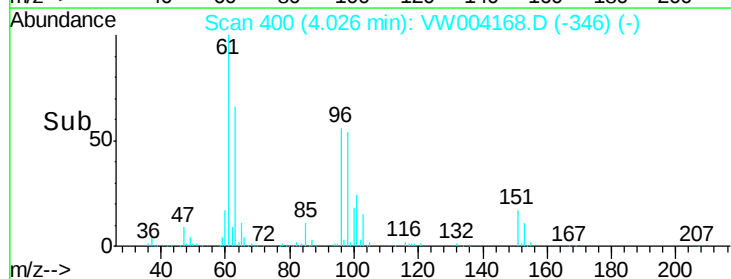
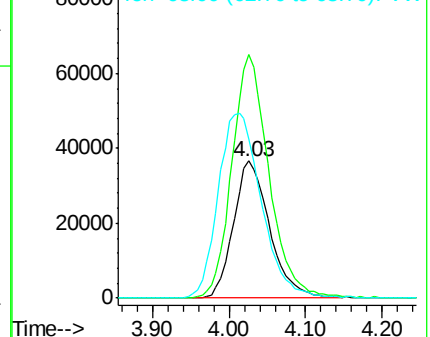
63 116.5 88.5 164.4

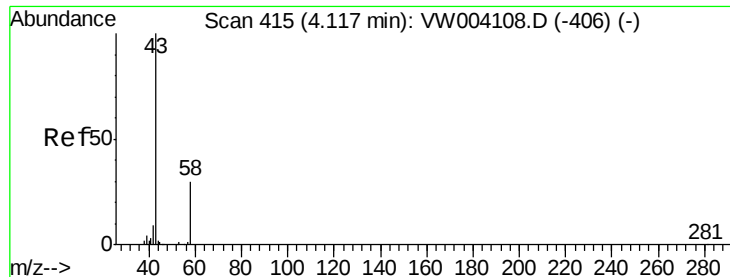


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 38.18 ug/L

RT: 4.12 min Scan# 416

Delta R.T. 0.01 min

Lab File: VW004168.D

Acq: 24 Jul 2018 11:27

Instrument :

MSVOA_W

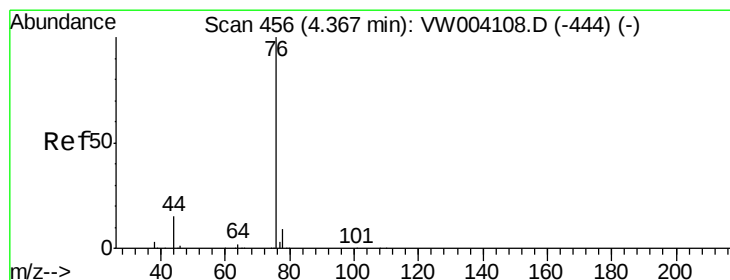
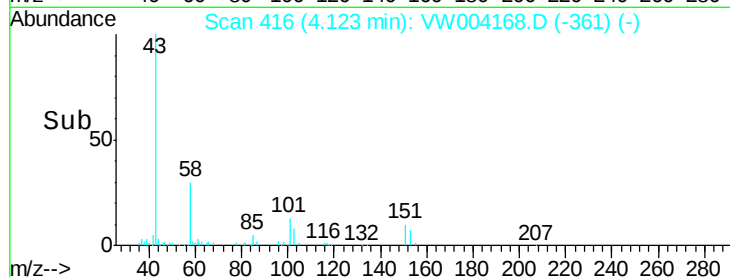
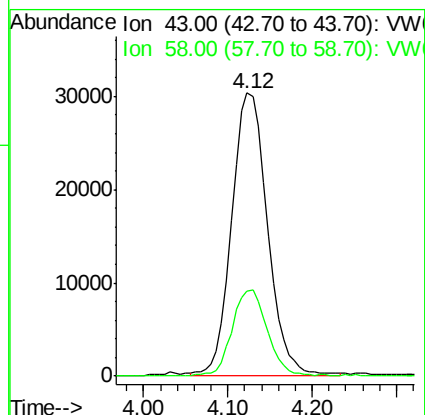
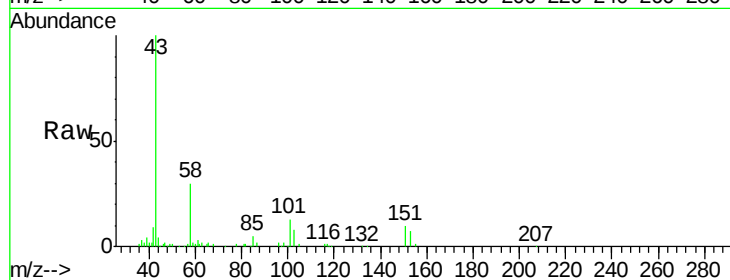
ClientSampleId :

Tot Ion: 43 Resp: 87147

Ion Ratio Lower Upper

43 100

58 29.7 0.0 59.4



#14

Carbon disulfide

Concen: 23.86 ug/L

RT: 4.37 min Scan# 456

Delta R.T. -0.00 min

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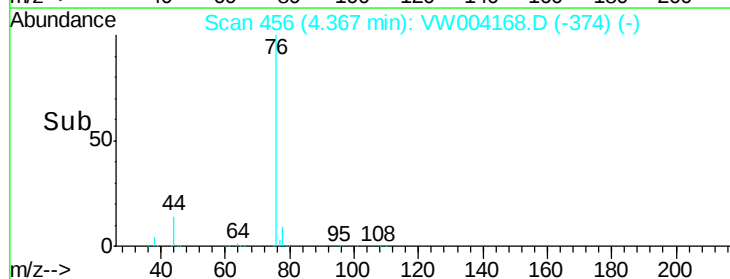
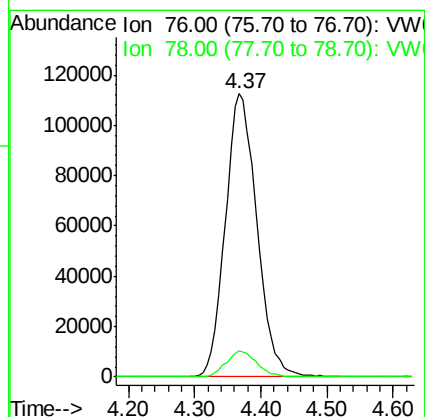
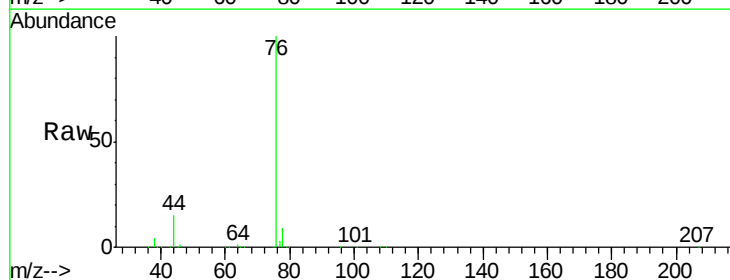
Acq: 24 Jul 2018 11:27

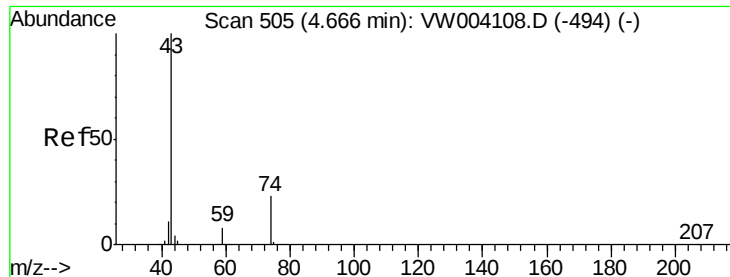
Tgt Ion: 76 Resp: 371903

Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9

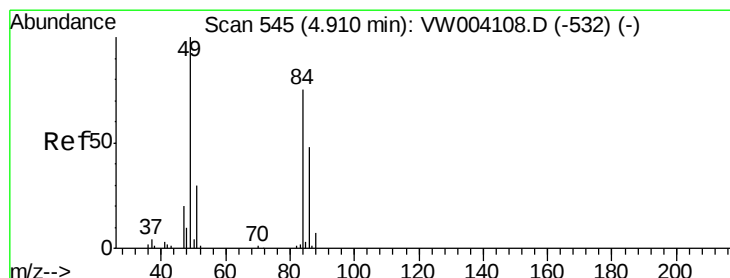
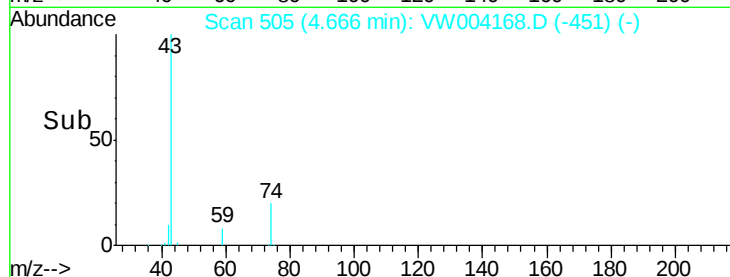
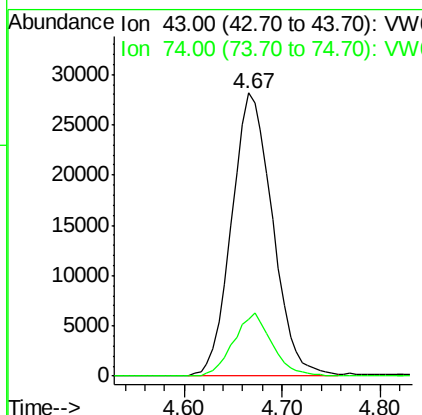
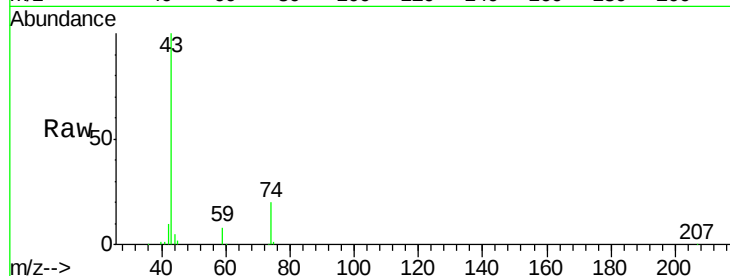




#15
Methvl Acetate
Concen: 21.03 ug/L
RT: 4.67 min Scan# 505
Delta R.T. -0.00 min
Lab File: VW004168.D
Acq: 24 Jul 2018 11:27

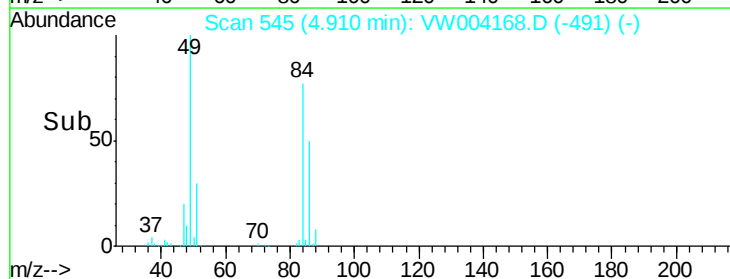
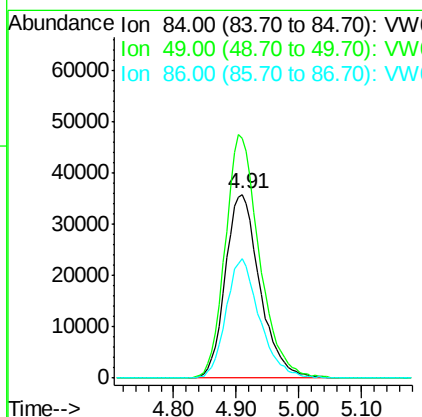
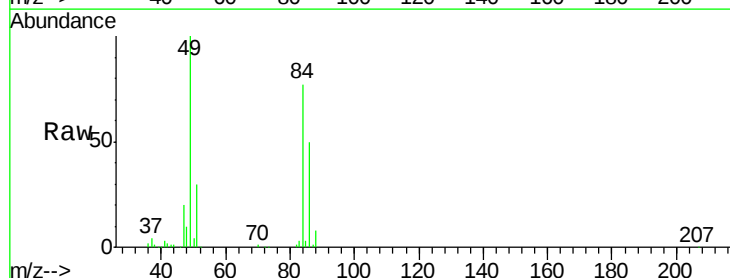
Instrument :
MSVOA_W
ClientSampleId :

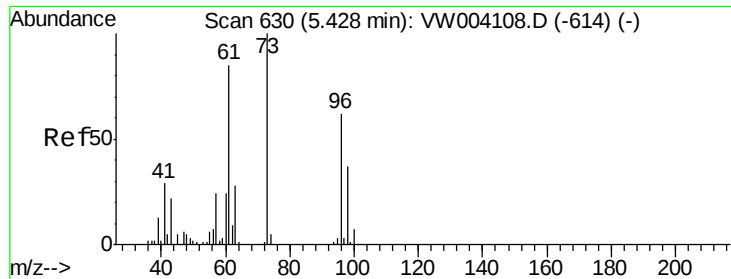
Tot Ion: 43 Resp: 81877
Ion Ratio Lower Upper
43 100
74 21.0 16.6 24.8



#16
Methylene chloride
Concen: 19.65 ug/L
RT: 4.91 min Scan# 545
Delta R.T. -0.00 min
Lab File: VW004168.D
Acq: 24 Jul 2018 11:27

Tgt Ion: 84 Resp: 136446
Ion Ratio Lower Upper
84 100
49 130.4 94.2 175.0
86 65.0 45.1 83.9

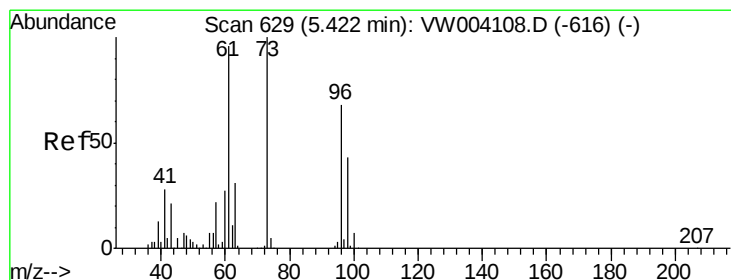
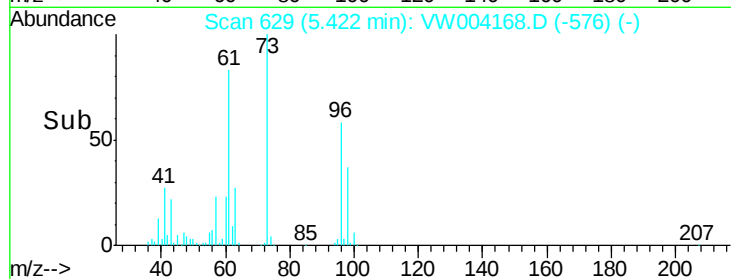
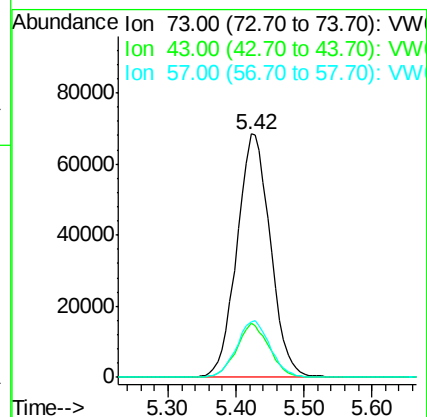
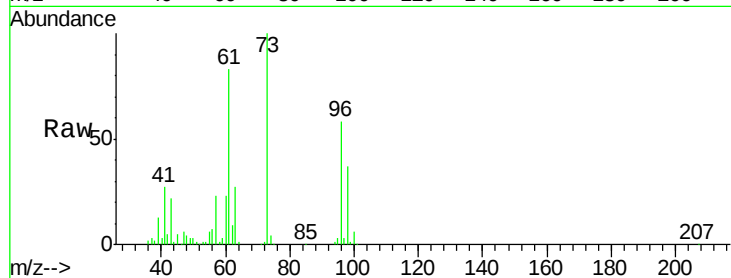




#17
Methvl tert-butvl Ether
Concen: 25.15 ug/L
RT: 5.42 min Scan# 629
Delta R.T. -0.01 min
Lab File: VW004168.D
Acq: 24 Jul 2018 11:27

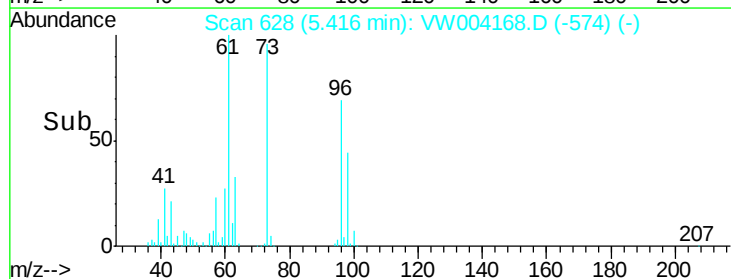
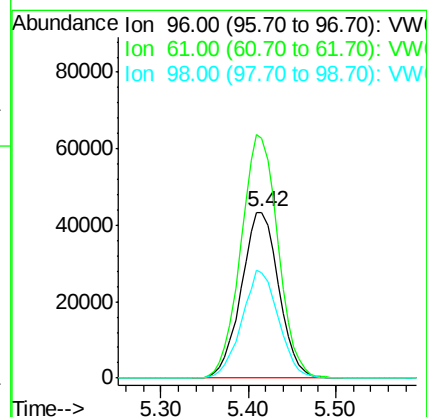
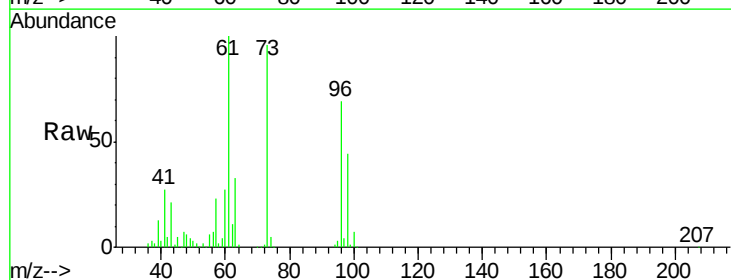
Instrument :
MSVOA_W
ClientSampled :

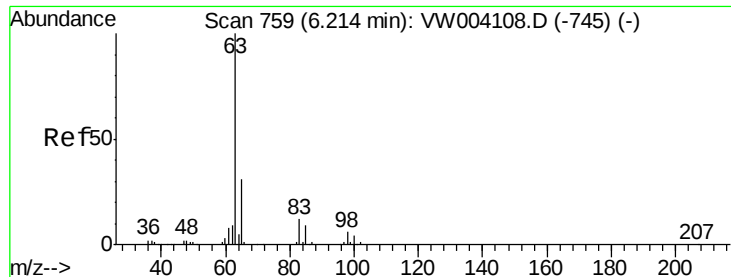
Tot Ion: 73 Resp: 234353
Ion Ratio Lower Upper
73 100
43 21.5 18.1 27.1
57 23.2 19.0 28.4



#18
trans-1,2-Dichloroethene
Concen: 26.08 ug/L
RT: 5.42 min Scan# 628
Delta R.T. -0.00 min
Lab File: VW004168.D
Acq: 24 Jul 2018 11:27

Tgt Ion: 96 Resp: 129381
Ion Ratio Lower Upper
96 100
61 144.5 99.8 185.4
98 63.6 44.9 83.3





#19

1,1-Dichloroethane

Concen: 26.62 ug/L

RT: 6.21 min Scan# 758

Delta R.T. -0.01 min

Lab File: VW004168.D

Acq: 24 Jul 2018 11:27

Instrument :

MSVOA_W

ClientSampled :

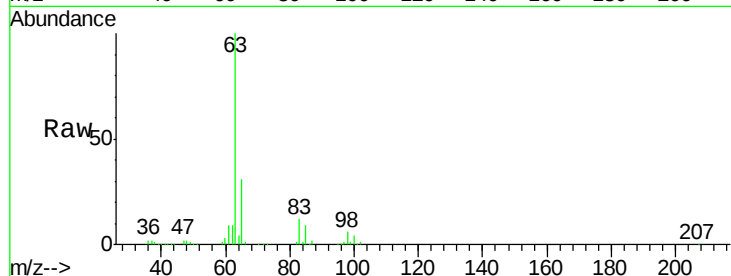
Tot Ion: 63 Resp: 251233

Ion Ratio Lower Upper

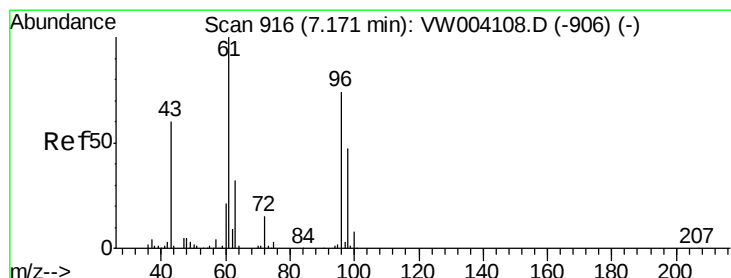
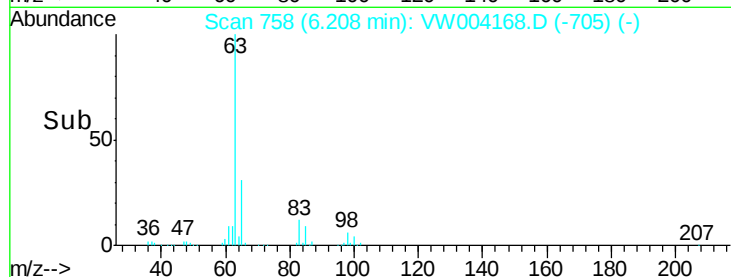
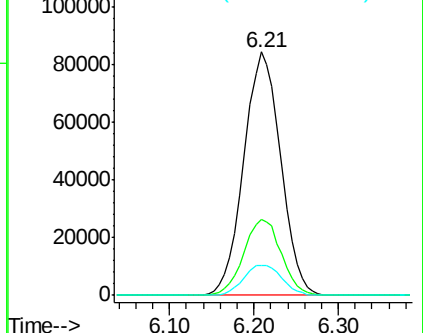
63 100

65 30.9 22.4 41.6

83 12.2 9.2 17.2



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 65.00 (64.70 to 65.70): VW
Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 40.42 ug/L

RT: 7.18 min Scan# 917

Delta R.T. 0.01 min

Lab File: VW004168.D

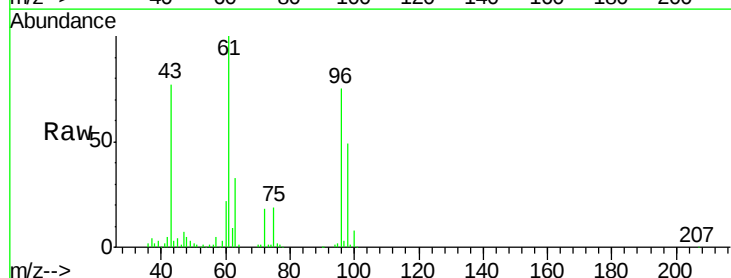
Acq: 24 Jul 2018 11:27

Tgt Ion: 43 Resp: 114478

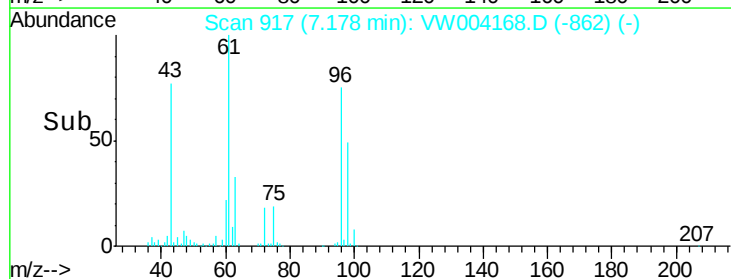
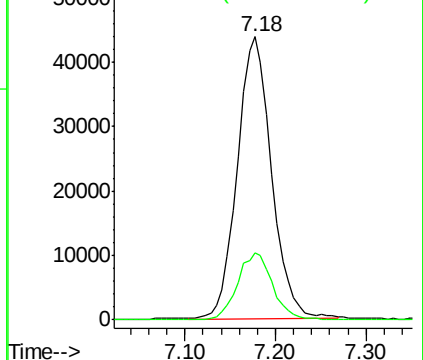
Ion Ratio Lower Upper

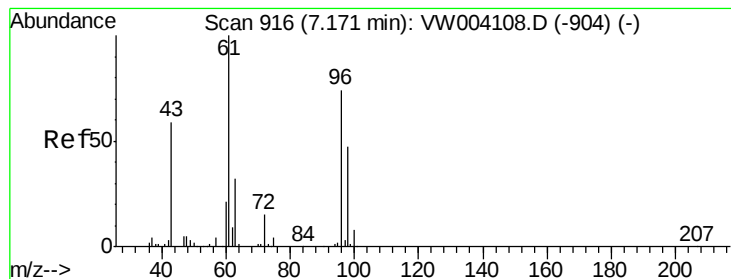
43 100

72 24.0 12.1 36.3



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW





#22

cis-1,2-Dichloroethene

Concen: 26.95 ug/L

RT: 7.17 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW004168.D

Acq: 24 Jul 2018 11:27

Instrument :

MSVOA_W

ClientSampled :

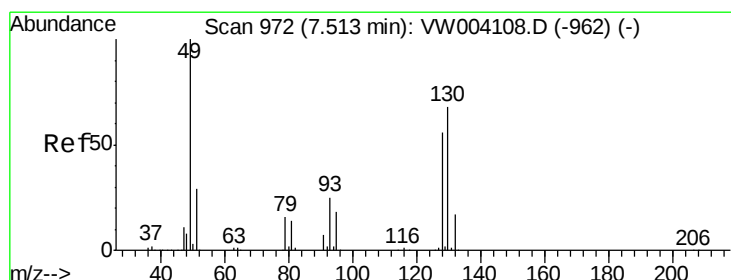
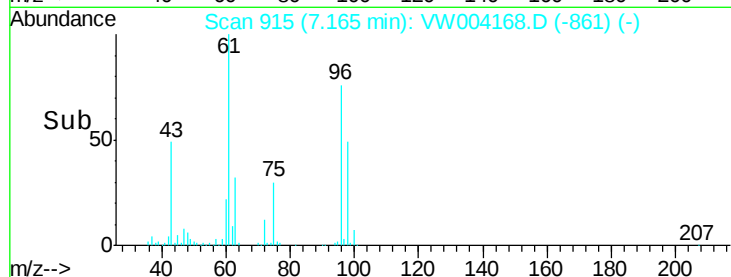
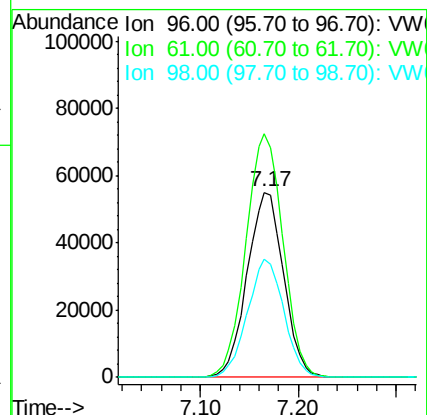
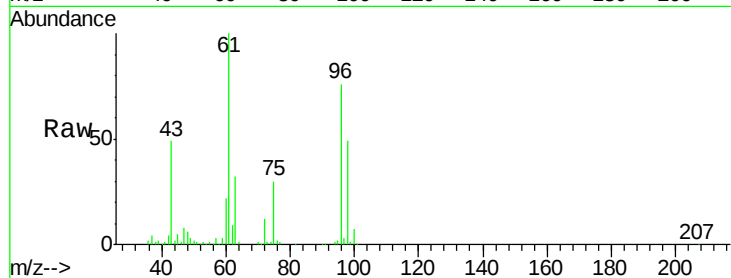
Tot Ion: 96 Resp: 142892

Ion Ratio Lower Upper

96 100

61 131.5 92.5 171.9

98 64.0 43.0 80.0



#23

Bromochloromethane

Concen: 26.64 ug/L

RT: 7.51 min Scan# 972

Delta R.T. -0.00 min

Lab File: VW004168.D

Acq: 24 Jul 2018 11:27

Tgt Ion:128 Resp: 66418

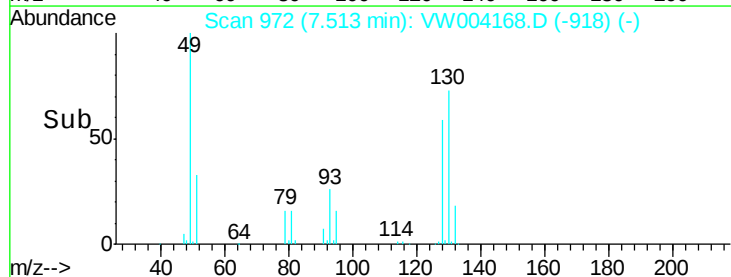
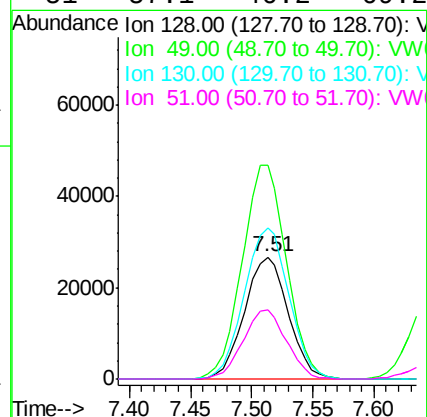
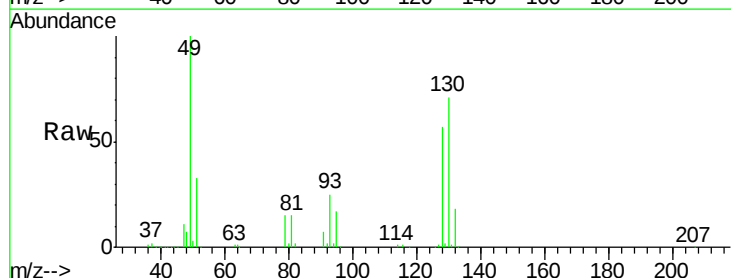
Ion Ratio Lower Upper

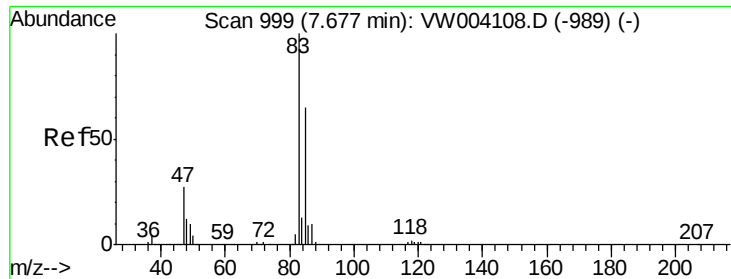
128 100

49 174.6 126.4 234.8

130 123.3 87.8 163.0

51 57.1 46.2 69.2

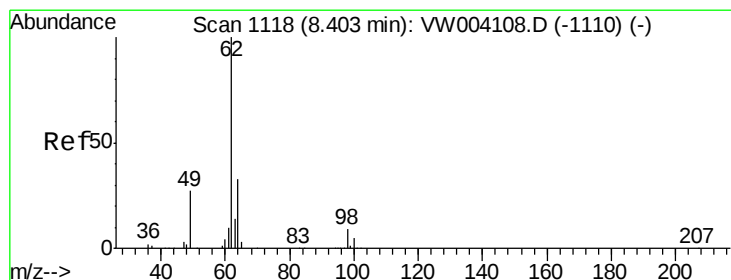
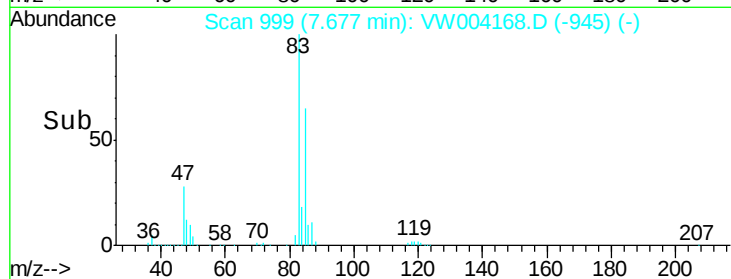
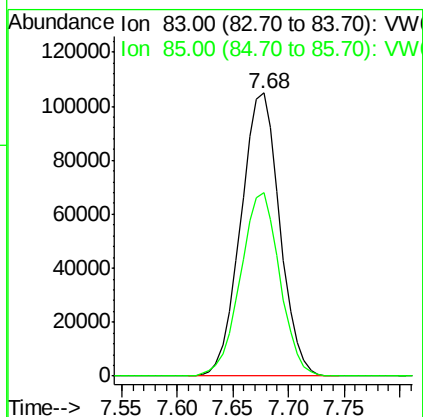
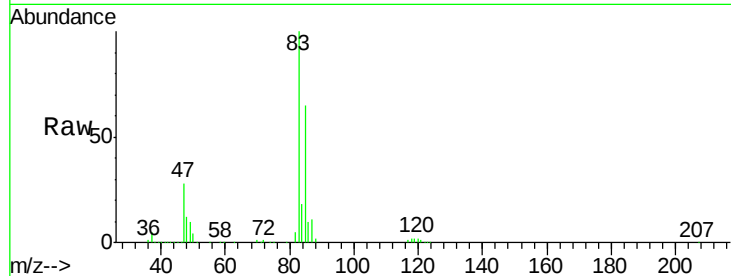




#25
Chloroform
Concen: 26.46 ug/L
RT: 7.68 min Scan# 999
Delta R.T. -0.00 min
Lab File: VW004168.D
Acq: 24 Jul 2018 11:27

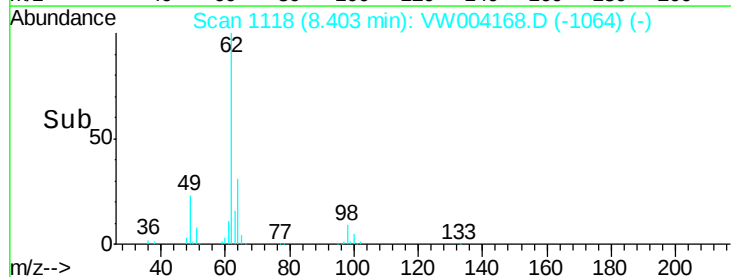
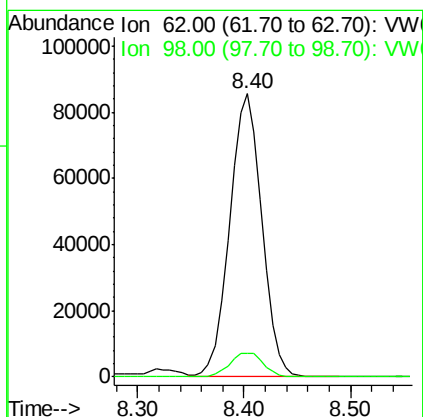
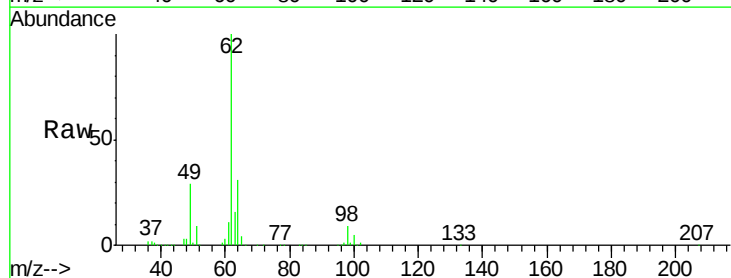
Instrument :
MSVOA_W
ClientSampled :

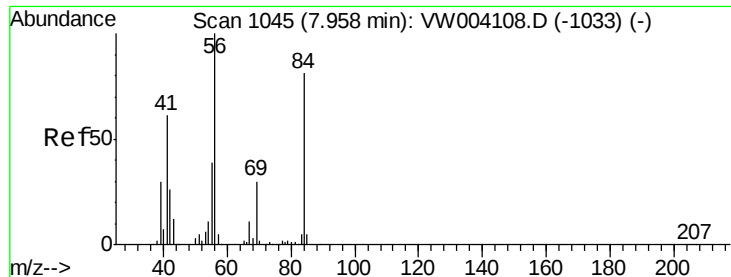
Tot Ion: 83 Resp: 254990
Ion Ratio Lower Upper
83 100
85 65.4 45.3 84.1



#27
1,2-Dichloroethane
Concen: 25.54 ug/L
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW004168.D
Acq: 24 Jul 2018 11:27

Tgt Ion: 62 Resp: 181405
Ion Ratio Lower Upper
62 100
98 8.5 6.2 9.4

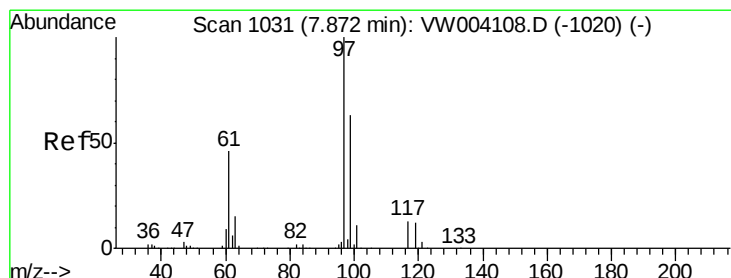
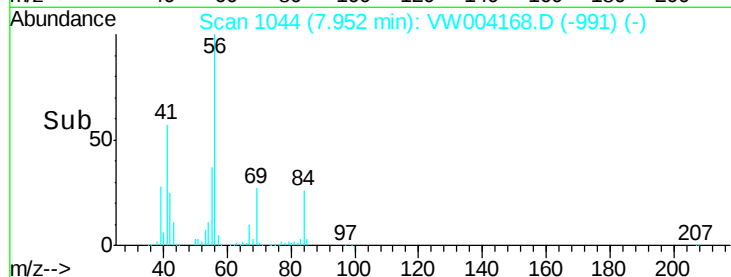
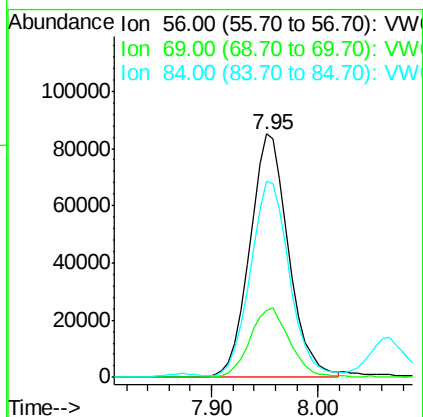
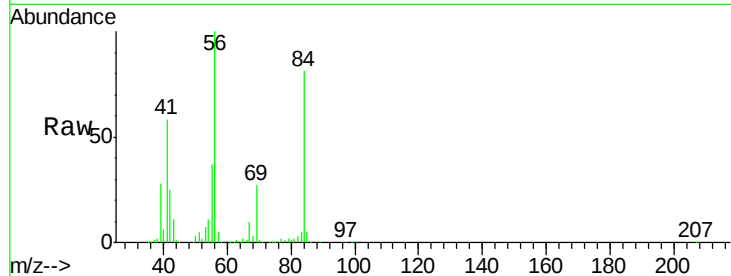




#30
Cyclohexane
Concen: 25.68 ug/L
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW004168.D
Acq: 24 Jul 2018 11:27

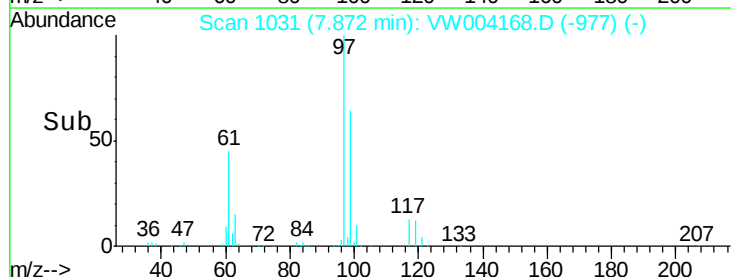
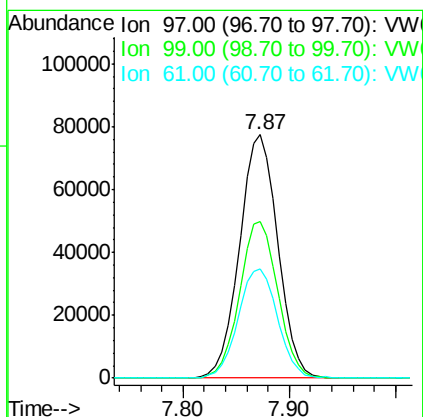
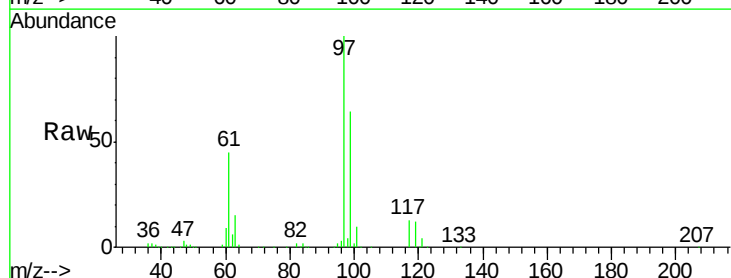
Instrument :
MSVOA_W
ClientSampled :

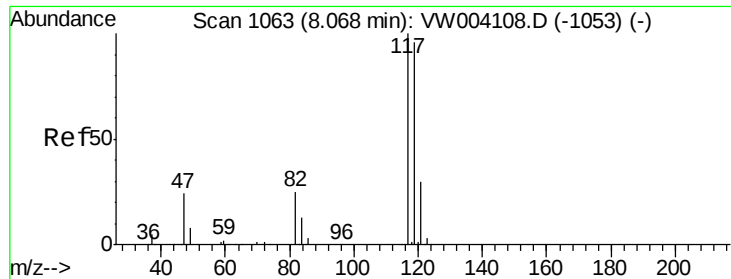
Tot Ion: 56 Resp: 216929
Ion Ratio Lower Upper
56 100
69 29.0 22.8 34.2
84 81.9 64.6 96.8



#31
1,1,1-Trichloroethane
Concen: 24.88 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VW004168.D
Acq: 24 Jul 2018 11:27

Tgt Ion: 97 Resp: 195978
Ion Ratio Lower Upper
97 100
99 64.2 51.8 77.6
61 46.1 38.6 57.8





#32

Carbon tetrachloride

Concen: 24.99 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VW004168.D

Acq: 24 Jul 2018 11:27

Instrument :

MSVOA_W

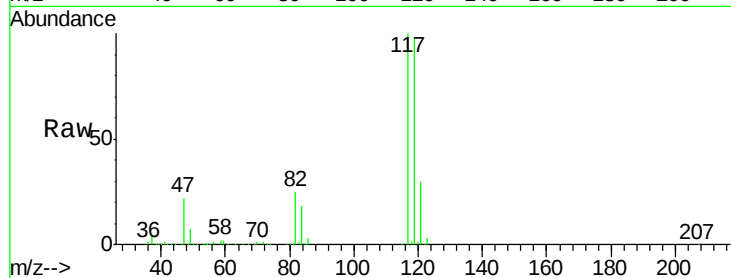
ClientSampleId :

Tot Ion:117 Resp: 189897

Ion Ratio Lower Upper

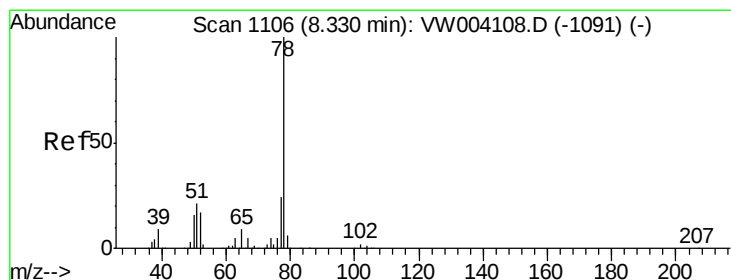
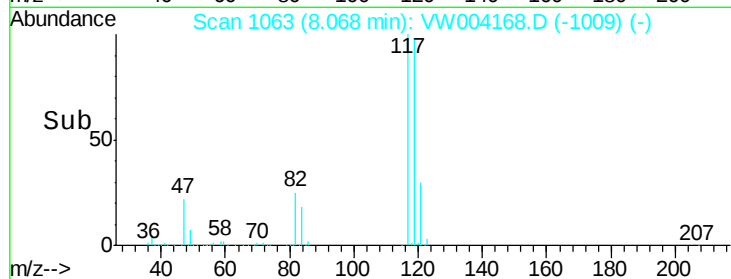
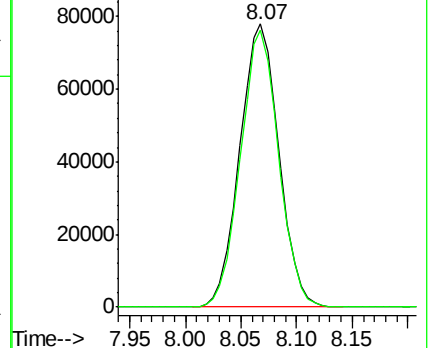
117 100

119 95.8 76.4 114.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.59 ug/L

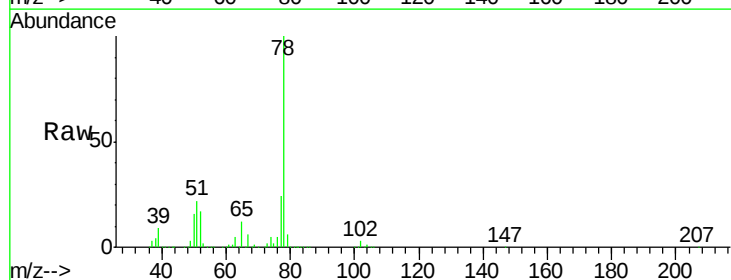
RT: 8.32 min Scan# 1105

Delta R.T. -0.00 min

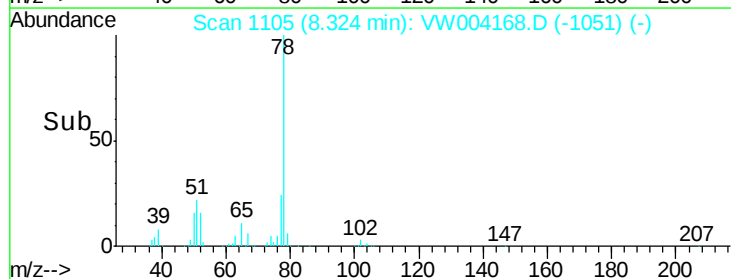
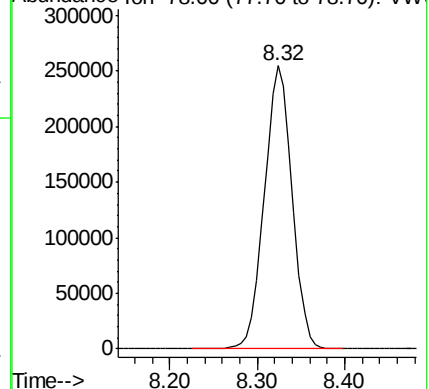
Lab File: VW004168.D

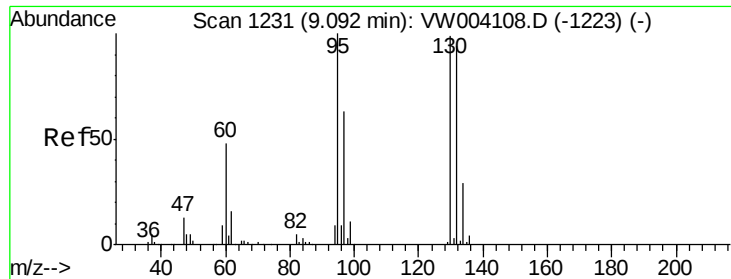
Acq: 24 Jul 2018 11:27

Tgt Ion: 78 Resp: 564448



Abundance Ion 78.00 (77.70 to 78.70): VW

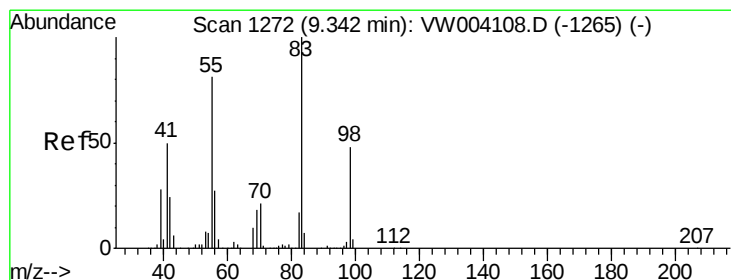
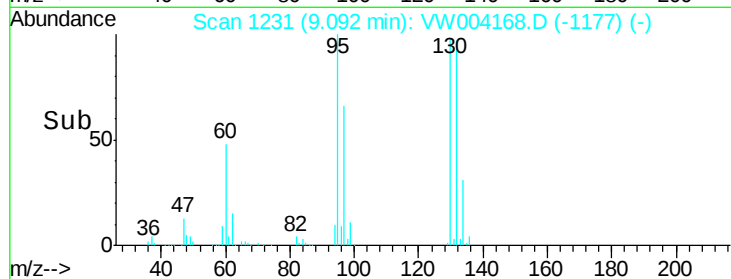
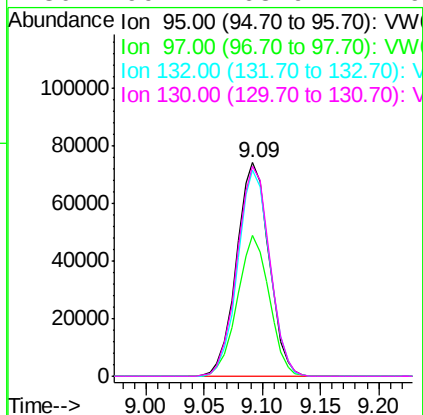
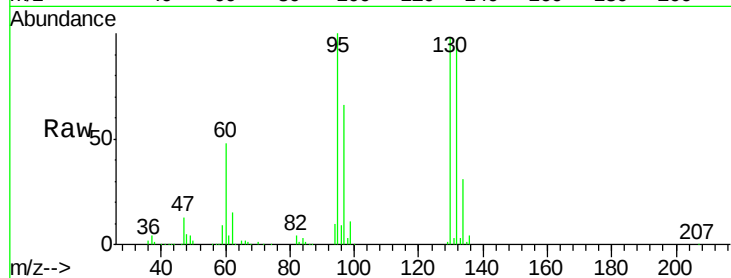




#35
 Trichloroethene
 Concen: 25.46 ug/L
 RT: 9.09 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VW004168.D
 Acq: 24 Jul 2018 11:27

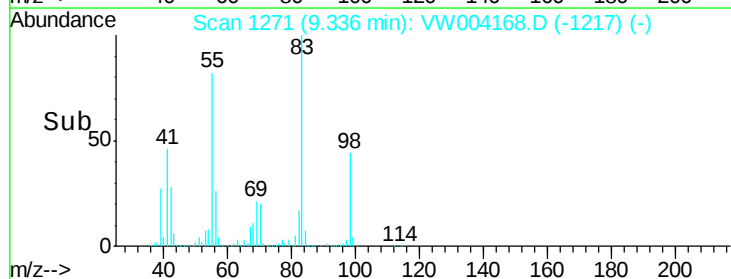
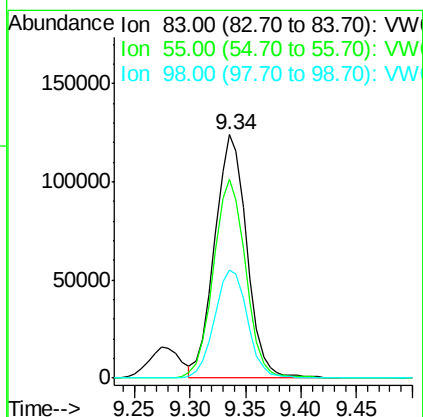
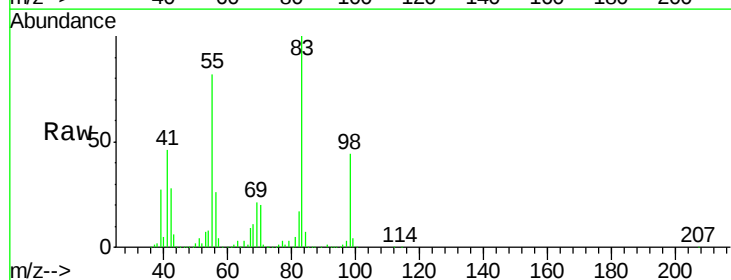
Instrument :
 MSVOA_W
 ClientSampleId :

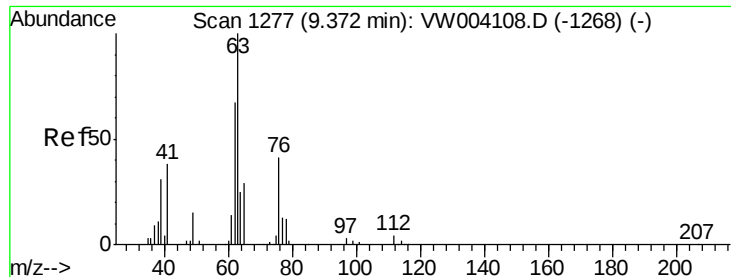
Tot Ion: 95 Resp: 144588
 Ion Ratio Lower Upper
 95 100
 97 64.8 44.7 83.1
 132 95.1 66.1 122.7
 130 99.1 68.9 127.9



#36
 Methylcyclohexane
 Concen: 26.32 ug/L
 RT: 9.34 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VW004168.D
 Acq: 24 Jul 2018 11:27

Tgt Ion: 83 Resp: 247092
 Ion Ratio Lower Upper
 83 100
 55 82.5 65.8 98.6
 98 46.0 37.0 55.6

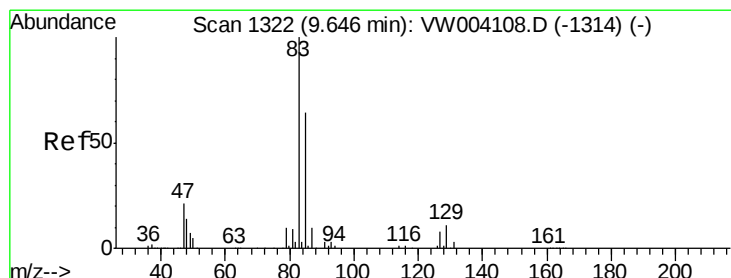
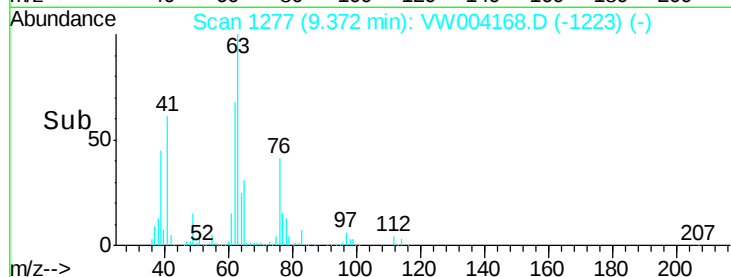
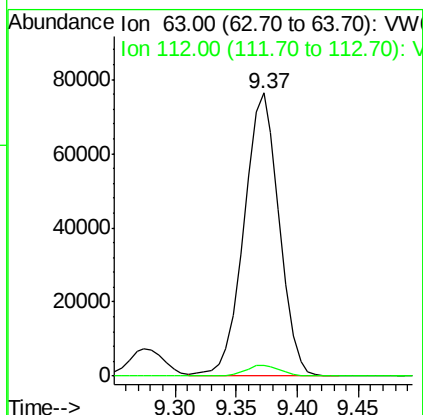
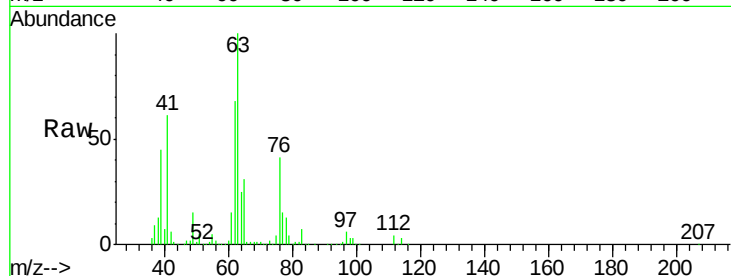




#40
 1,2-Dichloropropane
 Concen: 26.53 ug/L
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW004168.D
 Acq: 24 Jul 2018 11:27

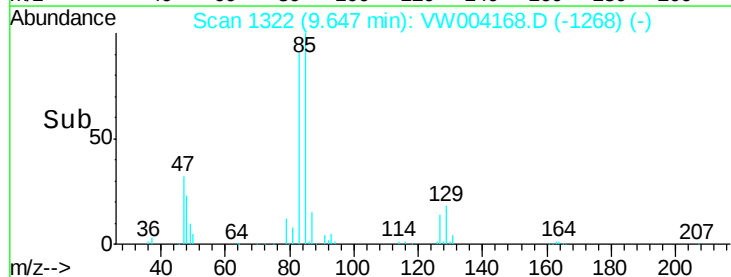
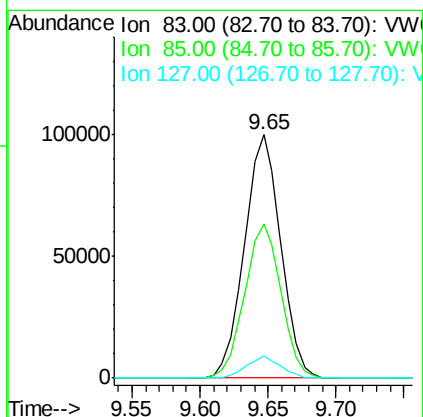
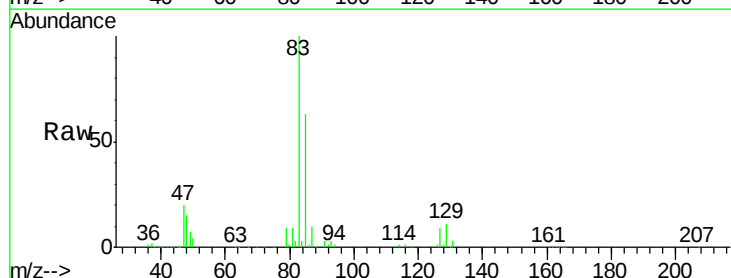
Instrument :
 MSVOA_W
 ClientSampleId :

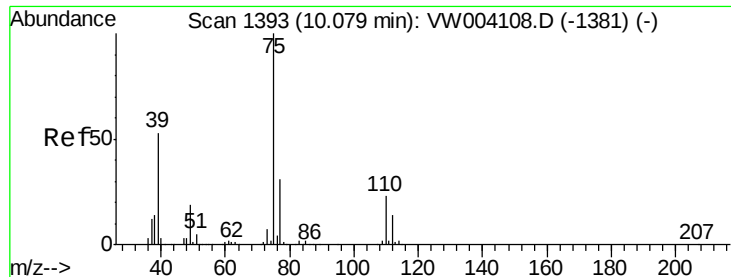
Tot Ion: 63 Resp: 152700
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.0 4.4



#41
 Bromodichloromethane
 Concen: 26.43 ug/L
 RT: 9.65 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VW004168.D
 Acq: 24 Jul 2018 11:27

Tgt Ion: 83 Resp: 187286
 Ion Ratio Lower Upper
 83 100
 85 63.1 44.7 82.9
 127 9.0 6.7 10.1





#42

cis-1,3-Dichloropropene

Concen: 27.20 ug/L

RT: 10.07 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW004168.D

Acq: 24 Jul 2018 11:27

Instrument :

MSVOA_W

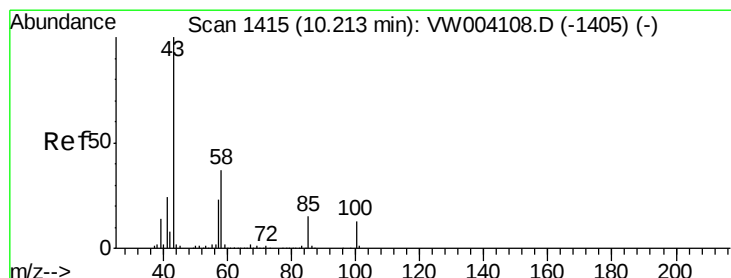
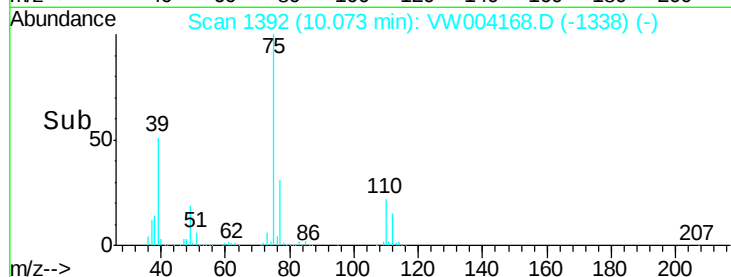
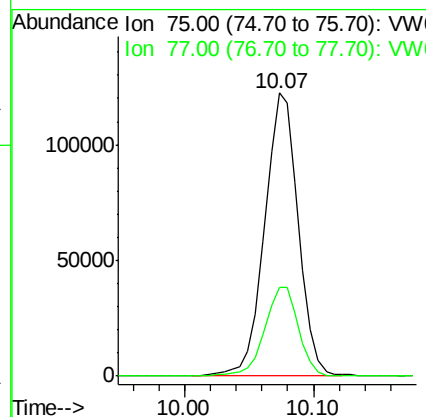
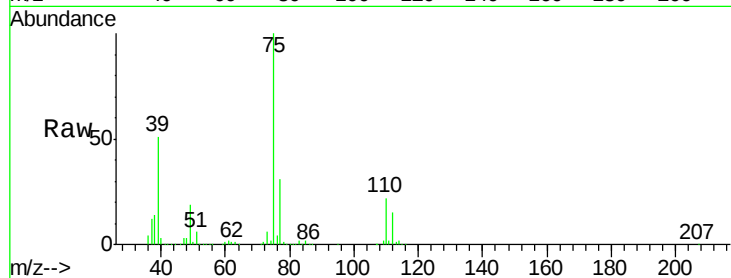
ClientSampled :

Tot Ion: 75 Resp: 220555

Ion Ratio Lower Upper

75 100

77 31.3 22.3 41.5



#43

4-Methyl-2-pentanone

Concen: 45.05 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VW004168.D

Acq: 24 Jul 2018 11:27

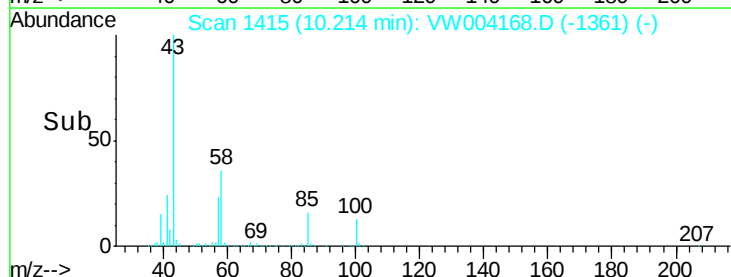
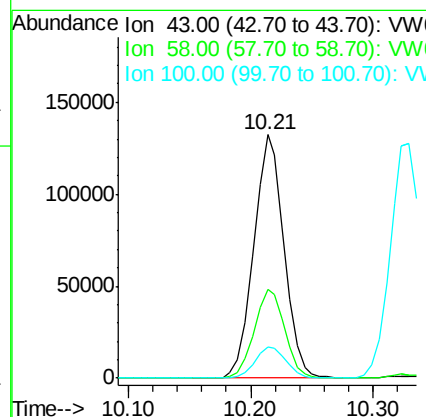
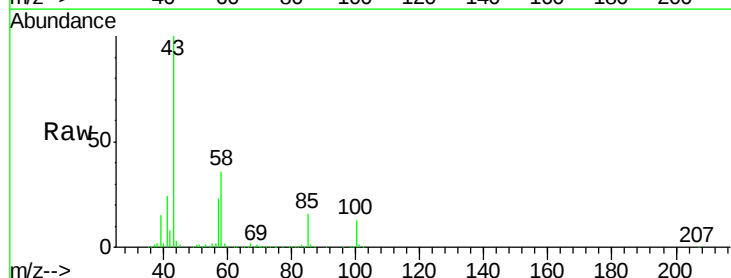
Tgt Ion: 43 Resp: 227911

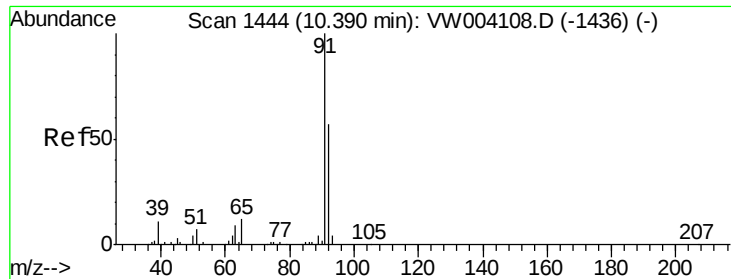
Ion Ratio Lower Upper

43 100

58 36.8 29.4 44.2

100 13.2 10.8 16.2





#44

Toluene

Concen: 27.28 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW004168.D

Acq: 24 Jul 2018 11:27

Instrument :

MSVOA_W

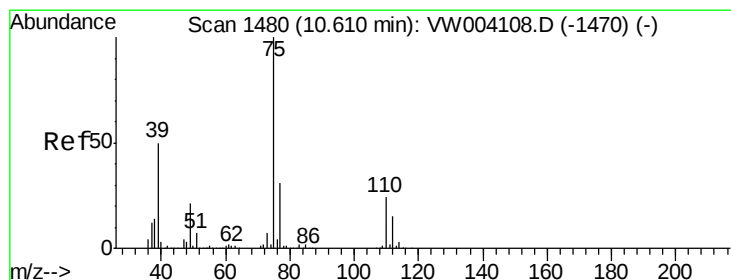
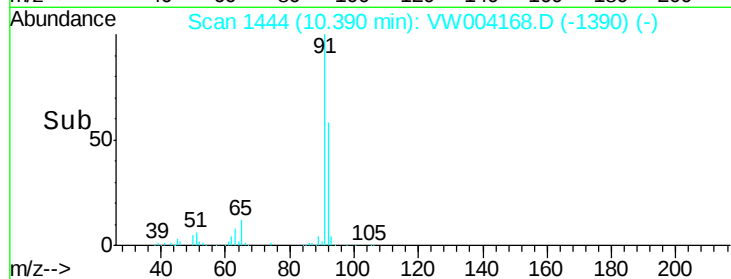
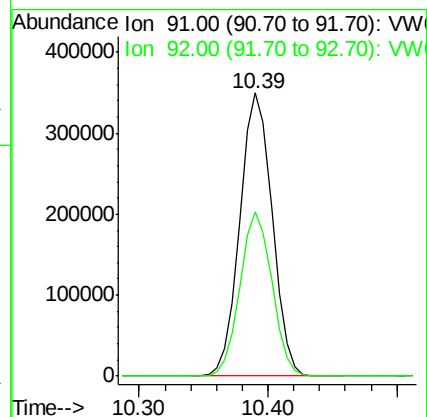
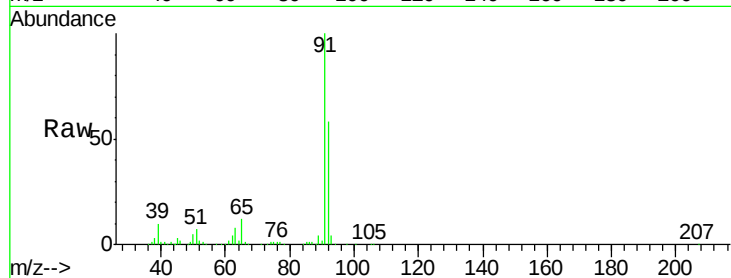
ClientSampleId :

Tot Ion: 91 Resp: 606887

Ion Ratio Lower Upper

91 100

92 57.9 39.5 73.4



#45

trans-1,3-Dichloropropene

Concen: 26.88 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW004168.D

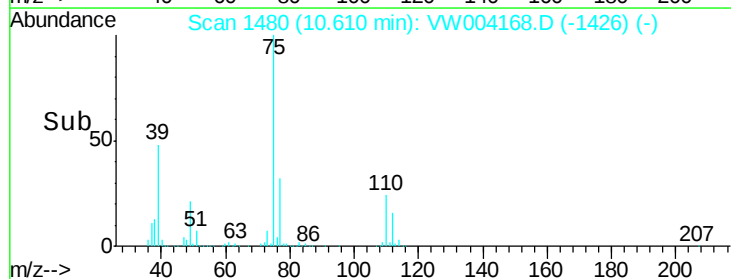
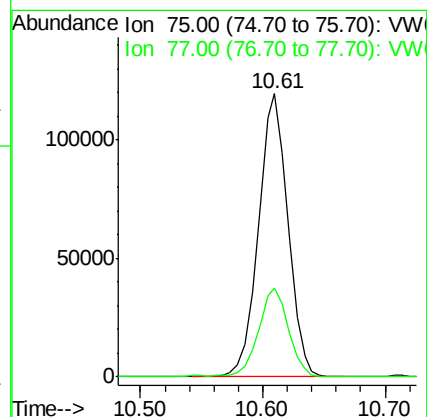
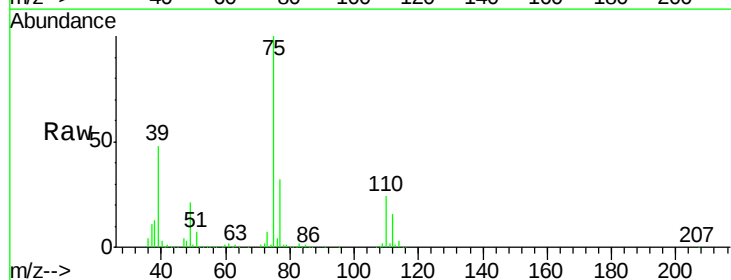
Acq: 24 Jul 2018 11:27

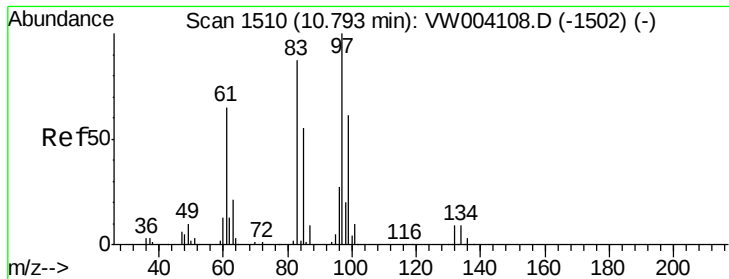
Tgt Ion: 75 Resp: 201074

Ion Ratio Lower Upper

75 100

77 31.5 22.5 41.7

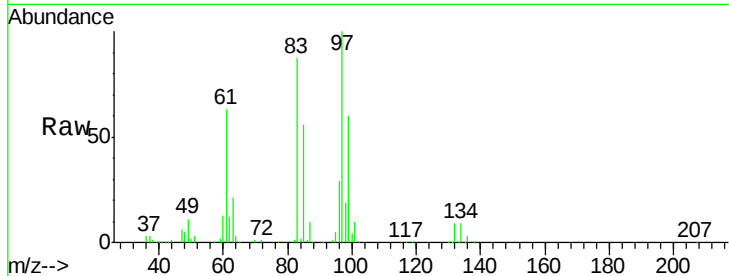




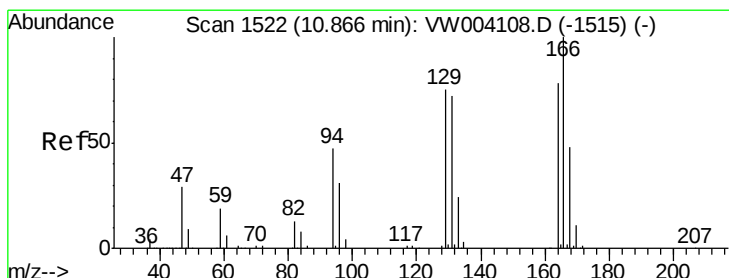
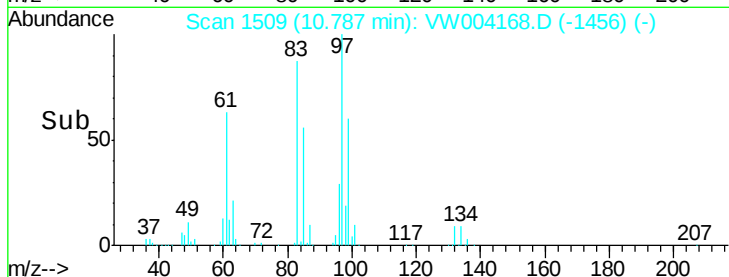
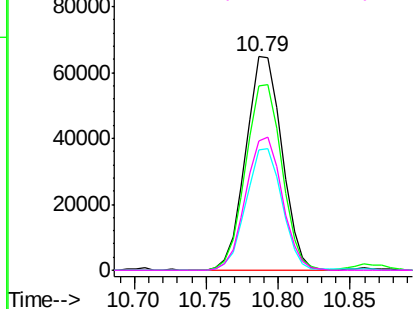
#46
1,1,2-Trichloroethane
Concen: 25.28 ug/L
RT: 10.79 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VW004168.D
Acq: 24 Jul 2018 11:27

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 97 Resp: 113073
Ion Ratio Lower Upper
97 100
83 86.5 59.4 110.4
85 56.1 40.0 74.2
99 60.3 43.3 80.5



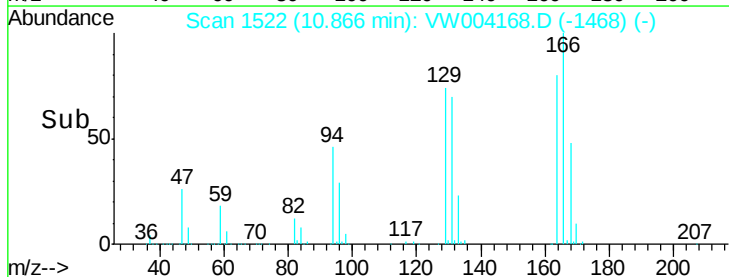
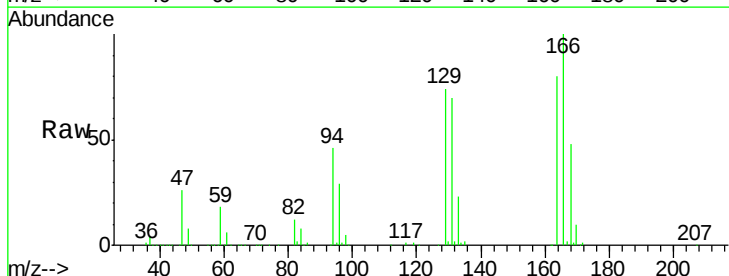
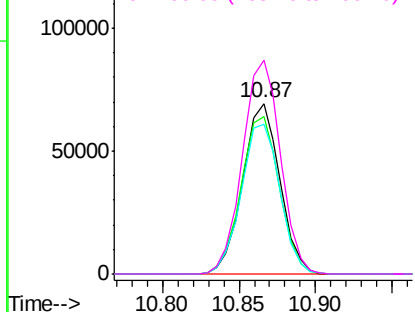
Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 83.00 (82.70 to 83.70): VW
Ion 85.00 (84.70 to 85.70): VW
Ion 99.00 (98.70 to 99.70): VW

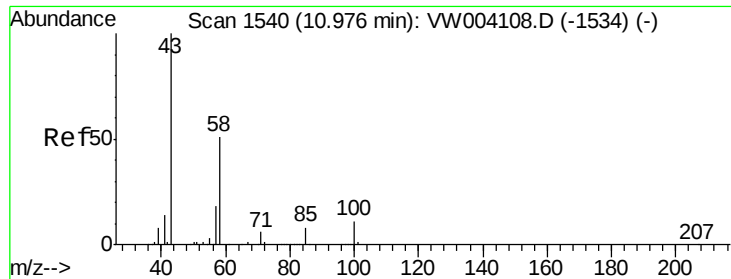


#47
Tetrachloroethene
Concen: 25.52 ug/L
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW004168.D
Acq: 24 Jul 2018 11:27

Tgt Ion: 164 Resp: 116906
Ion Ratio Lower Upper
164 100
129 92.3 63.1 117.3
131 88.0 62.8 116.6
166 125.4 84.6 157.2

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

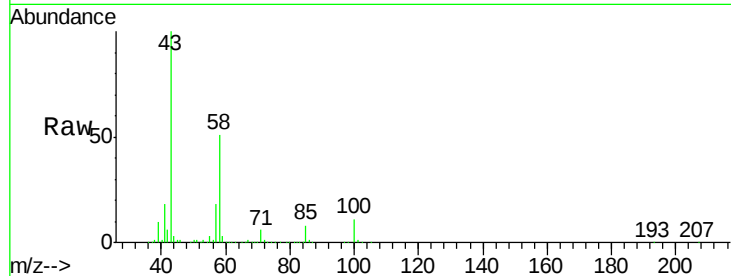




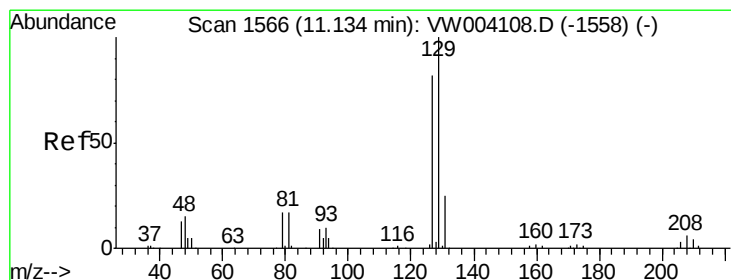
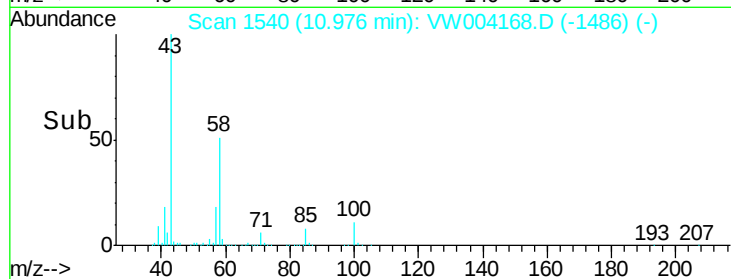
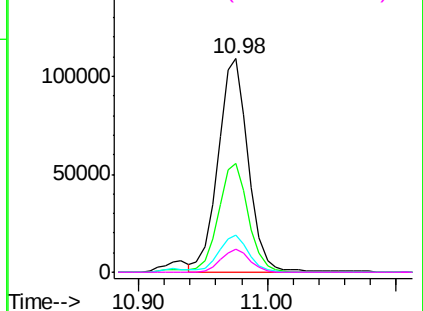
#49
2-Hexanone
Concen: 45.75 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW004168.D
Acq: 24 Jul 2018 11:27

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 179201
Ion Ratio Lower Upper
43 100
58 50.3 40.4 60.6
57 17.3 14.0 21.0
100 10.3 8.2 12.2

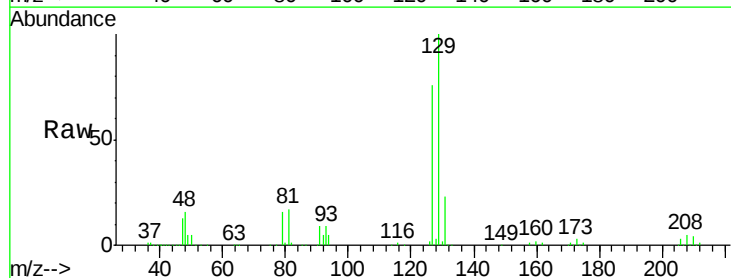


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

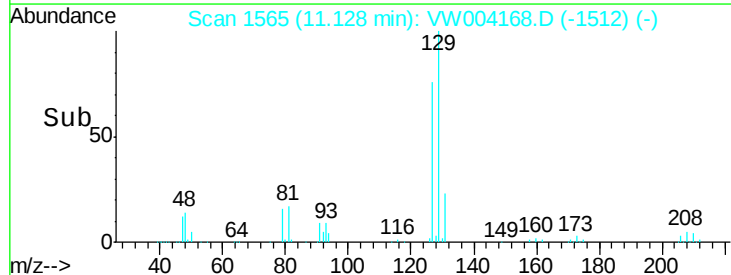
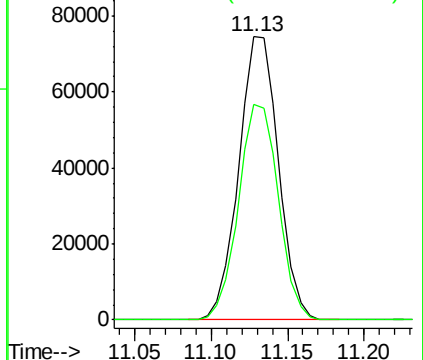


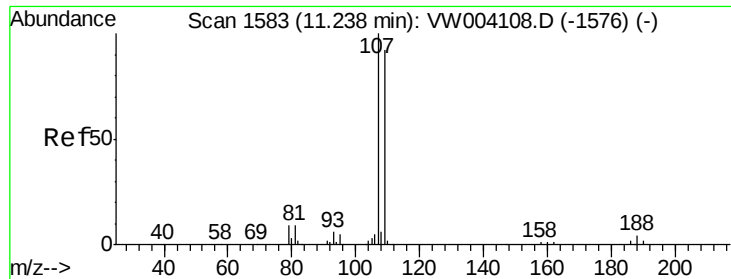
#50
Dibromochloromethane
Concen: 26.85 ug/L
RT: 11.13 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VW004168.D
Acq: 24 Jul 2018 11:27

Tgt Ion: 129 Resp: 134505
Ion Ratio Lower Upper
129 100
127 76.3 56.1 104.3



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

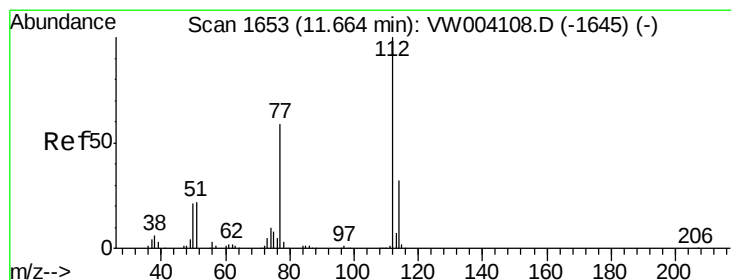
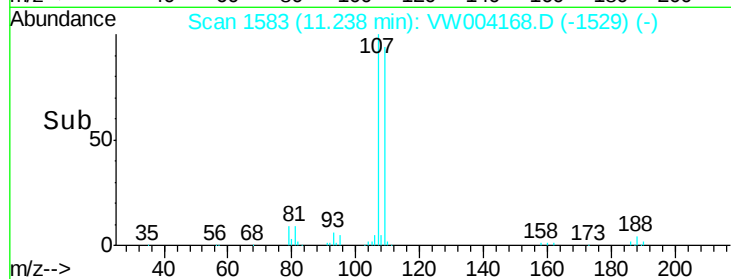
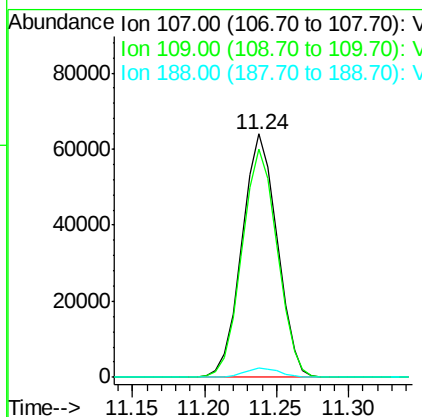
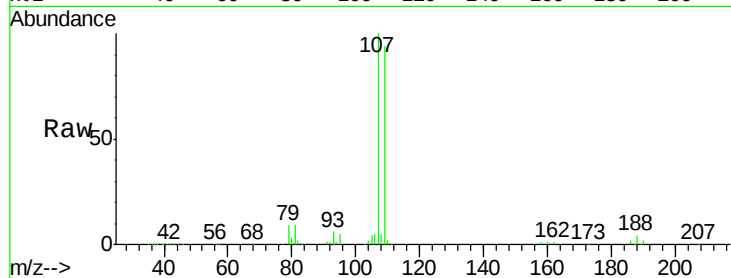




#51
 1,2-Dibromoethane
 Concen: 24.86 ug/L
 RT: 11.24 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VW004168.D
 Acq: 24 Jul 2018 11:27

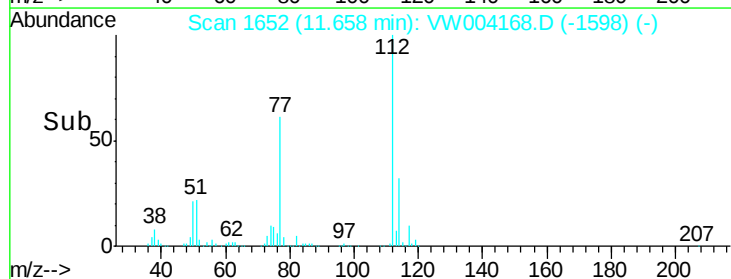
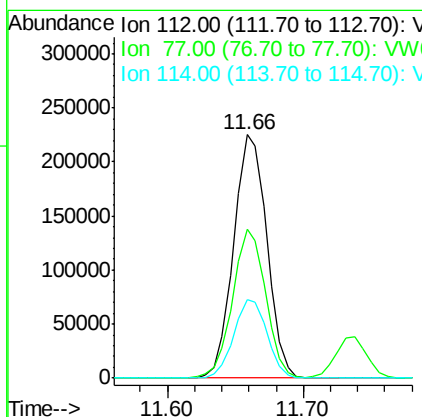
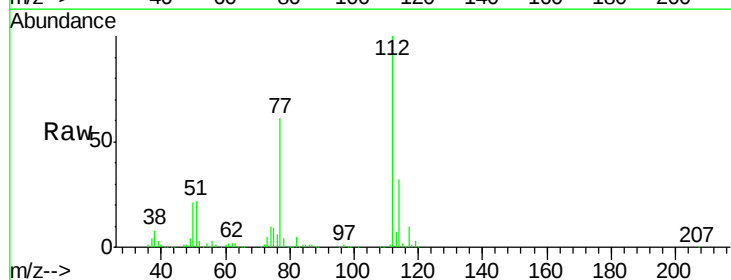
Instrument :
 MSVOA_W
 ClientSampleId :

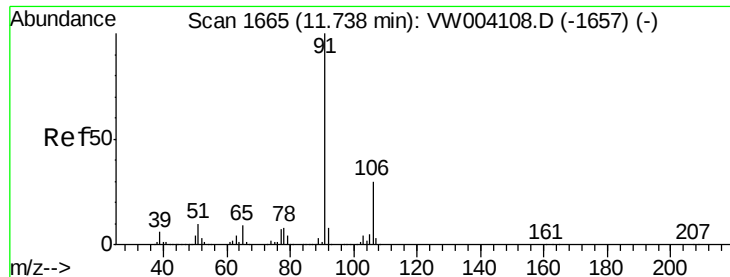
Tot Ion	107	Resp	108582
Ion Ratio	Lower	Upper	
107	100		
109	93.8	65.2	121.0
188	3.8	2.9	4.3



#52
 Chlorobenzene
 Concen: 26.84 ug/L
 RT: 11.66 min Scan# 1652
 Delta R.T. -0.00 min
 Lab File: VW004168.D
 Acq: 24 Jul 2018 11:27

Tgt Ion	112	Resp	382838
Ion Ratio	Lower	Upper	
112	100		
77	61.4	47.7	71.5
114	32.1	22.2	41.2





#53

Ethylbenzene

Concen: 28.23 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW004168.D

Acq: 24 Jul 2018 11:27

Instrument :

MSVOA_W

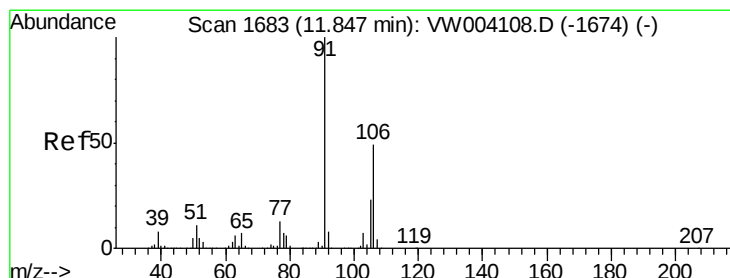
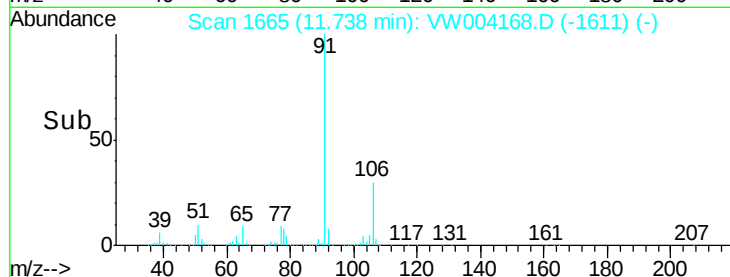
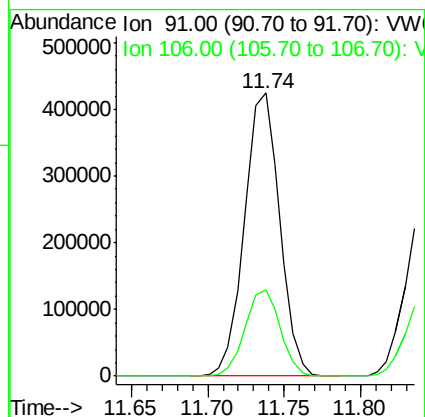
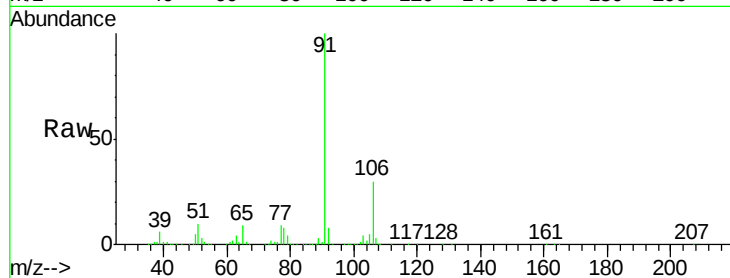
ClientSampleId :

Tot Ion: 91 Resp: 679649

Ion Ratio Lower Upper

91 100

106 30.3 21.3 39.5



#54

m,p-Xylene

Concen: 28.50 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW004168.D

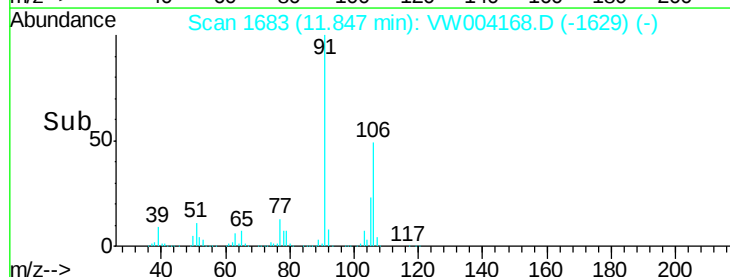
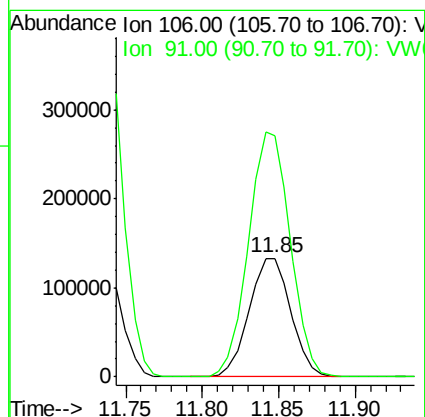
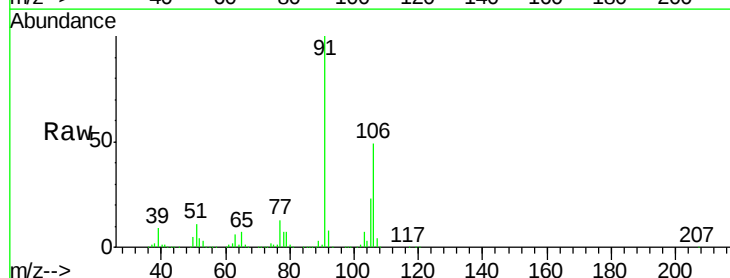
Acq: 24 Jul 2018 11:27

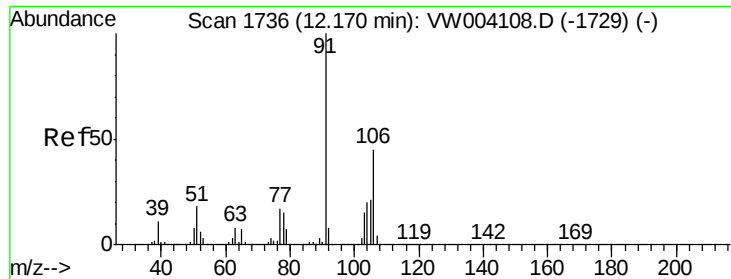
Tgt Ion: 106 Resp: 252889

Ion Ratio Lower Upper

106 100

91 203.8 142.1 263.9

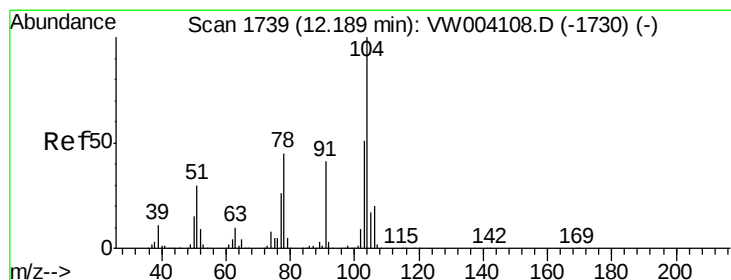
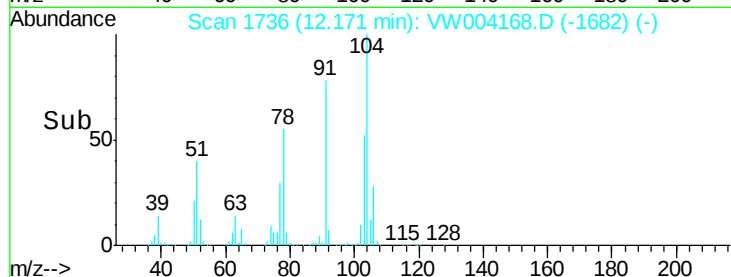
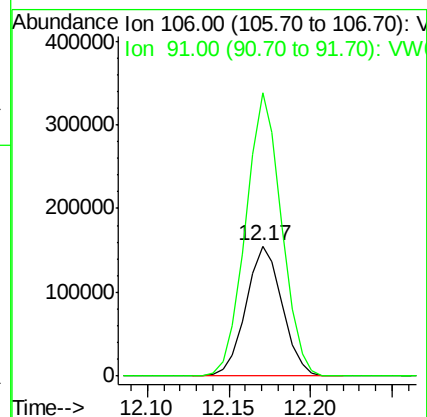
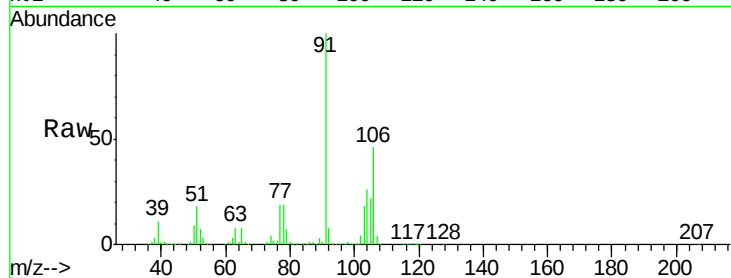




#55
o-xylene
Concen: 28.33 ug/L
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW004168.D
Acq: 24 Jul 2018 11:27

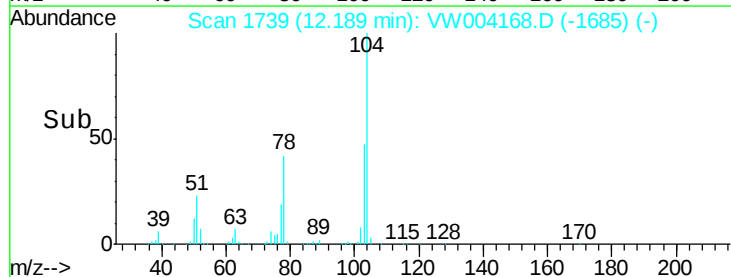
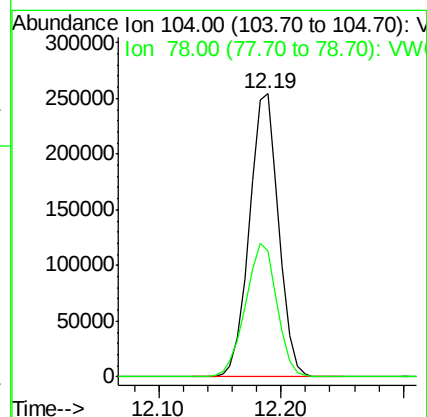
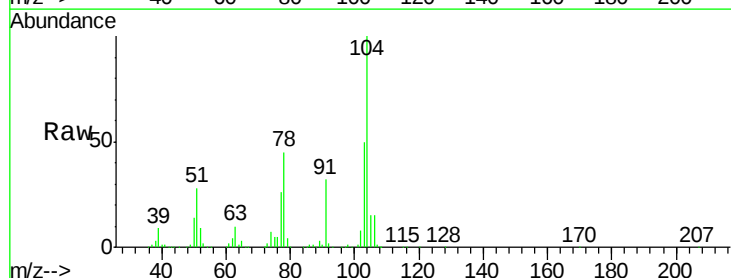
Instrument :
MSVOA_W
ClientSampled :

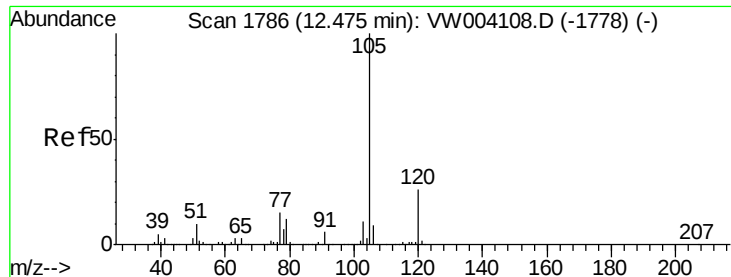
Tot Ion:106 Resp: 240461
Ion Ratio Lower Upper
106 100
91 218.1 151.3 280.9



#56
Styrene
Concen: 28.73 ug/L
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW004168.D
Acq: 24 Jul 2018 11:27

Tgt Ion:104 Resp: 421235
Ion Ratio Lower Upper
104 100
78 44.5 32.2 59.8





#57

Isopropylbenzene

Concen: 28.23 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW004168.D

Acq: 24 Jul 2018 11:27

Instrument :

MSVOA_W

ClientSampleId :

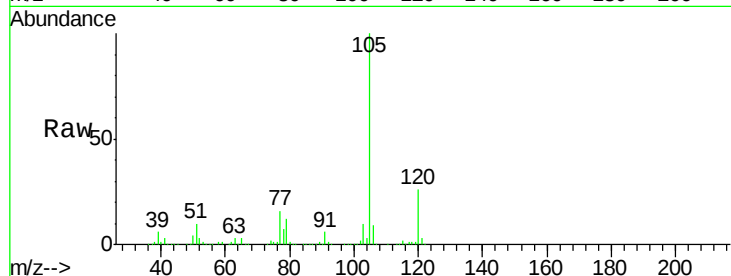
Tot Ion:105 Resp: 656919

Ion Ratio Lower Upper

105 100

120 26.1 21.0 31.4

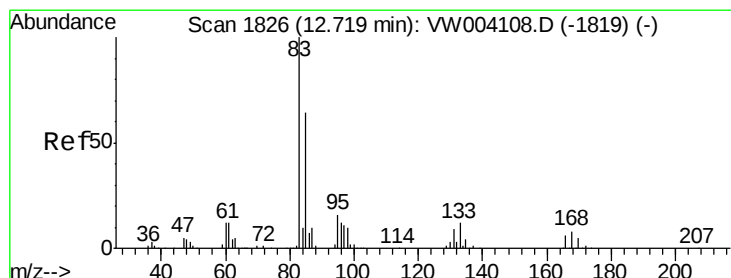
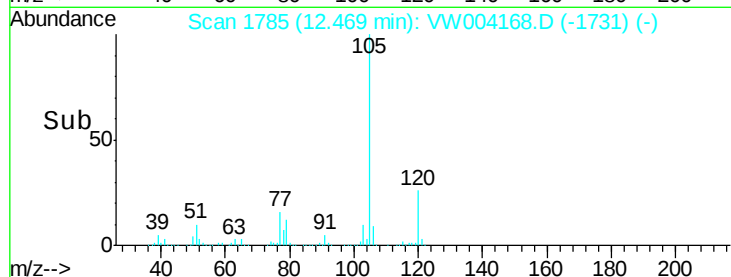
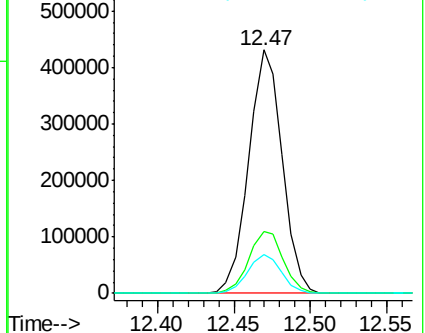
77 16.0 13.1 19.7



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: 23.52 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW004168.D

Acq: 24 Jul 2018 11:27

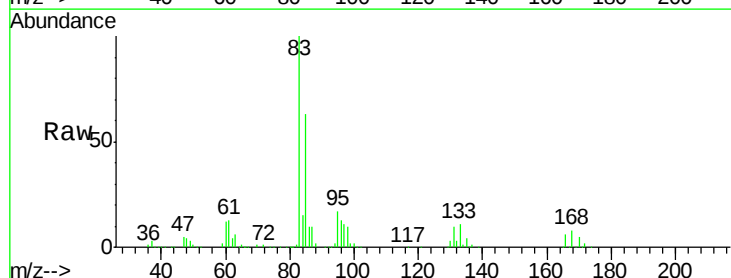
Tgt Ion: 83 Resp: 150376

Ion Ratio Lower Upper

83 100

85 63.3 44.7 83.1

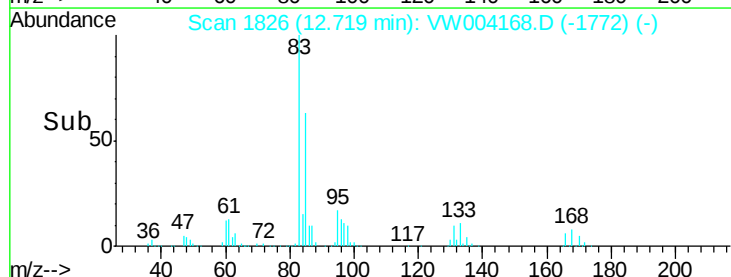
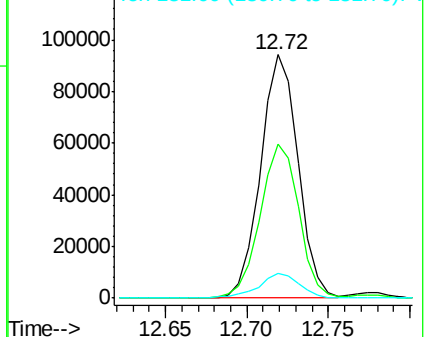
131 10.1 7.8 11.6

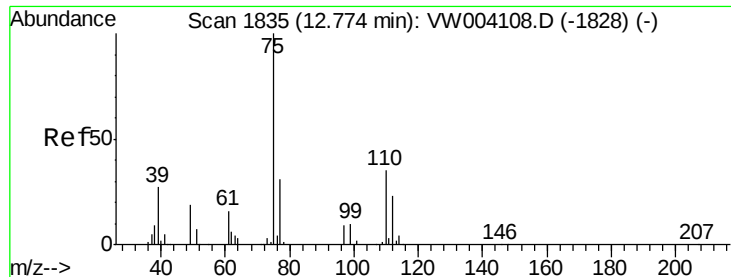


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 22.84 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW004168.D

Acq: 24 Jul 2018 11:27

Instrument :

MSVOA_W

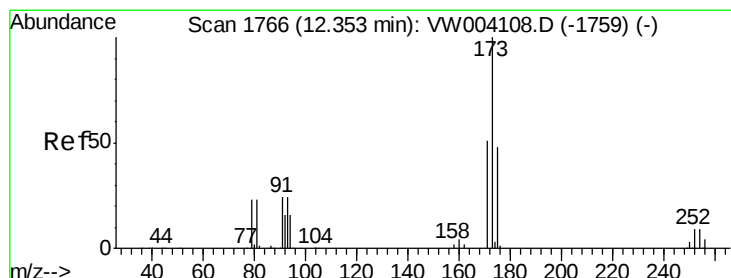
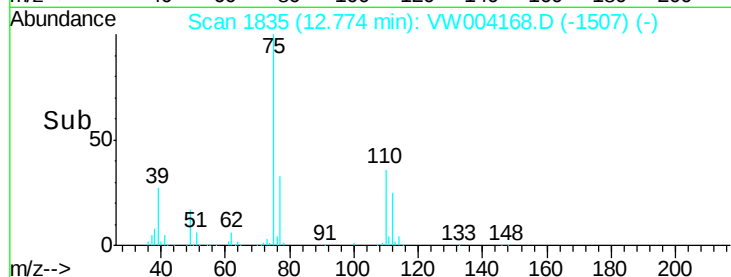
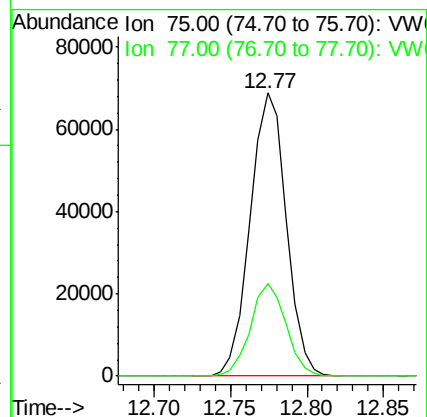
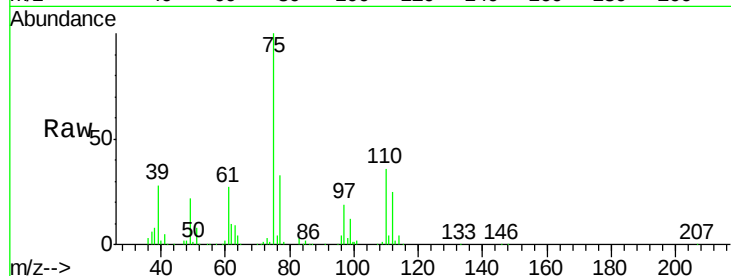
ClientSampleId :

Tot Ion: 75 Resp: 113041

Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.0



#62

Bromoform

Concen: 24.46 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW004168.D

Acq: 24 Jul 2018 11:27

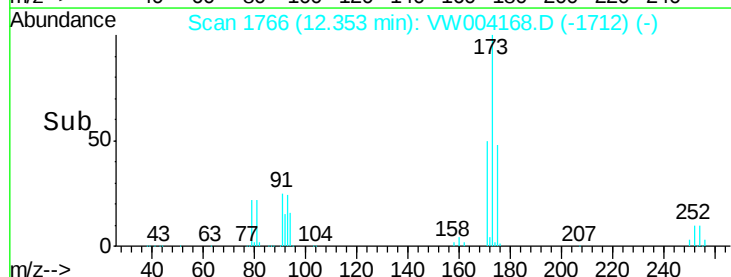
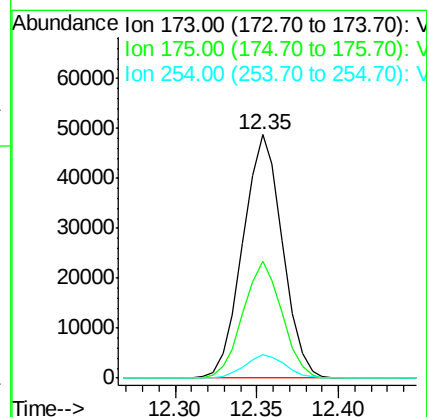
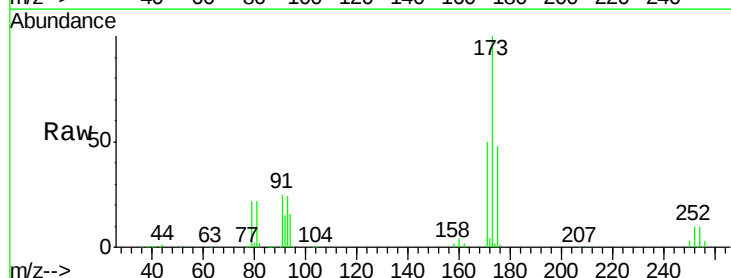
Tgt Ion: 173 Resp: 82534

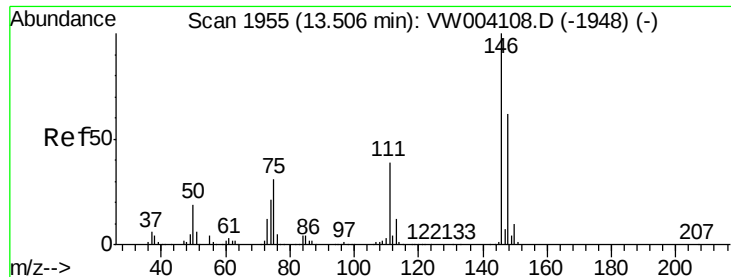
Ion Ratio Lower Upper

173 100

175 47.4 39.4 59.0

254 9.7 7.4 11.2

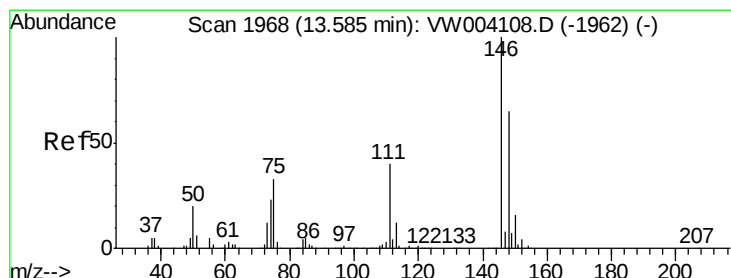
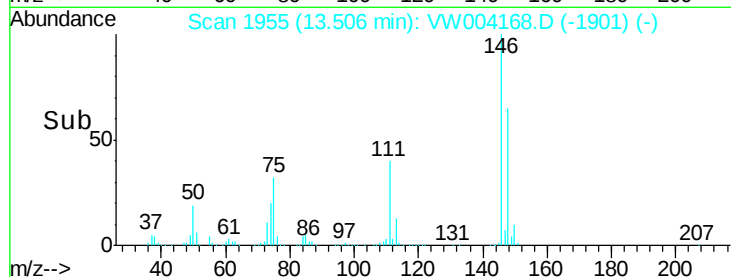
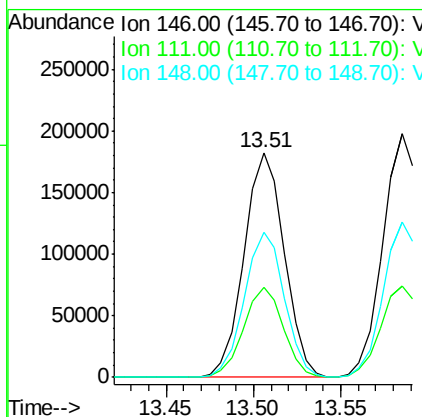
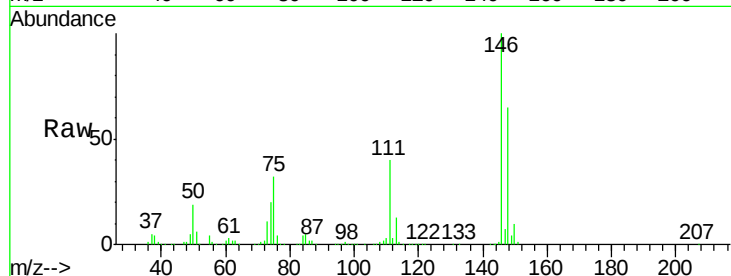




#63
 1,3-Dichlorobenzene
 Concen: 26.49 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW004168.D
 Acq: 24 Jul 2018 11:27

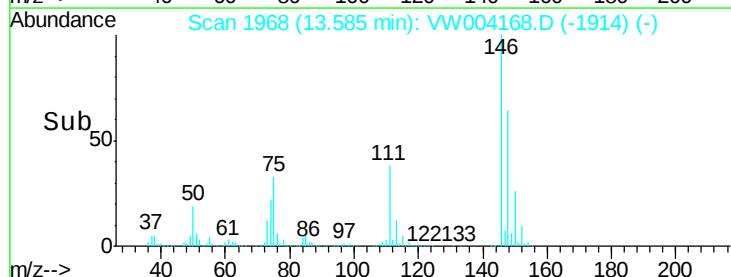
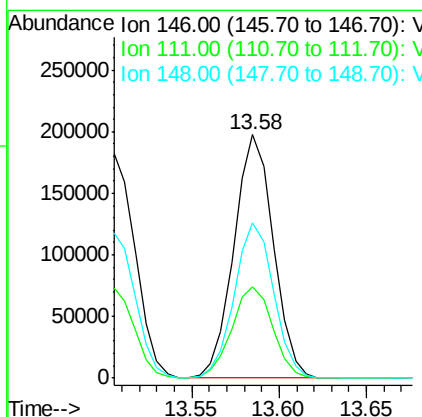
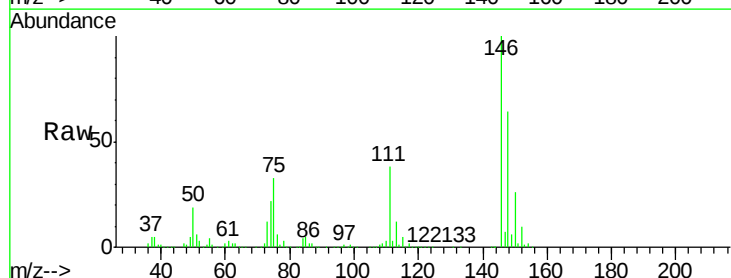
Instrument :
 MSVOA_W
 ClientSampleId :

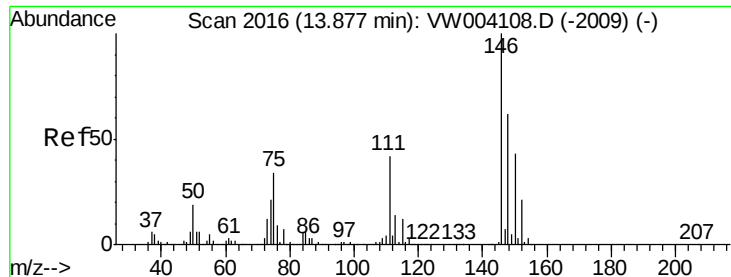
Tot Ion:146 Resp: 291683
 Ion Ratio Lower Upper
 146 100
 111 40.1 27.9 51.7
 148 64.5 44.2 82.0



#64
 1,4-Dichlorobenzene
 Concen: 26.20 ug/L
 RT: 13.58 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW004168.D
 Acq: 24 Jul 2018 11:27

Tgt Ion:146 Resp: 309331
 Ion Ratio Lower Upper
 146 100
 111 37.7 26.8 49.8
 148 63.7 44.3 82.3





#65

1,2-Dichlorobenzene

Concen: 26.59 ug/L

RT: 13.88 min Scan# 2016

Delta R.T. -0.00 min

Lab File: VW004168.D

Acq: 24 Jul 2018 11:27

Instrument :

MSVOA_W

ClientSampleId :

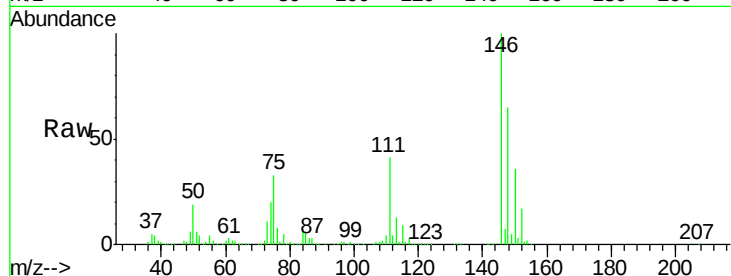
Tot Ion:146 Resp: 285334

Ion Ratio Lower Upper

146 100

111 41.1 33.2 49.8

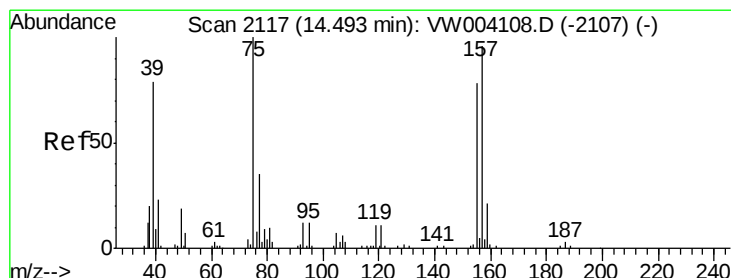
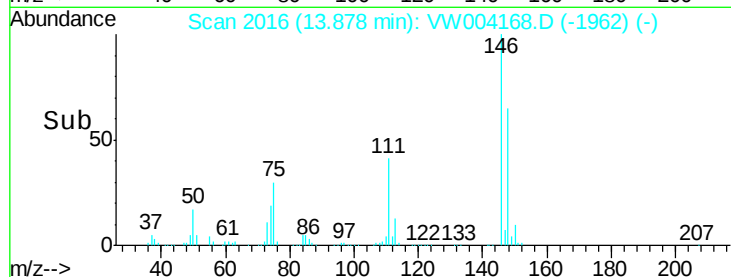
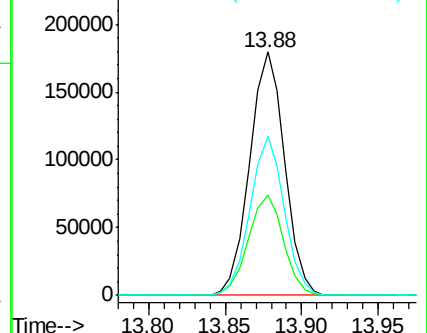
148 65.1 51.0 76.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 20.71 ug/L

RT: 14.49 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VW004168.D

Acq: 24 Jul 2018 11:27

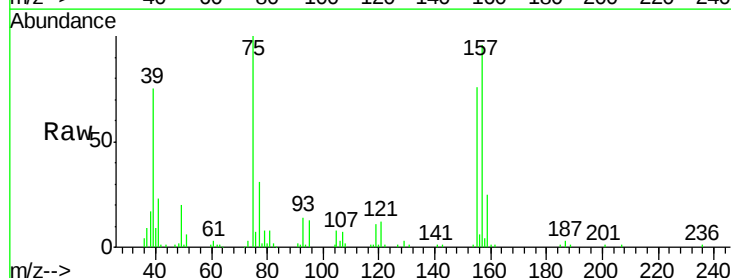
Tgt Ion: 75 Resp: 25910

Ion Ratio Lower Upper

75 100

157 96.5 77.9 116.9

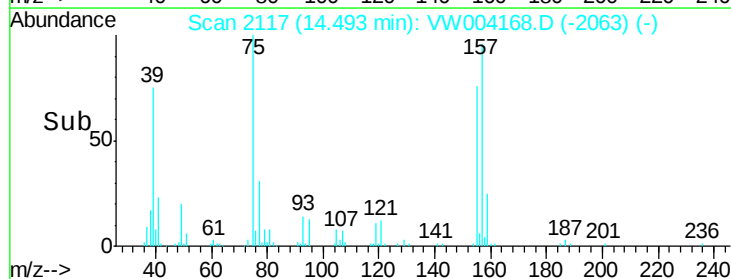
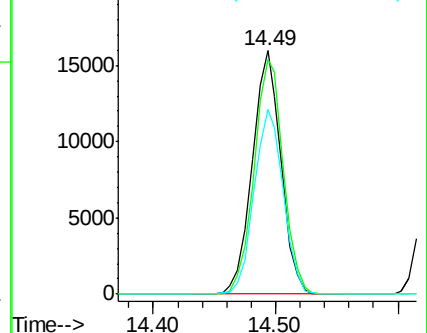
155 76.1 61.8 92.8

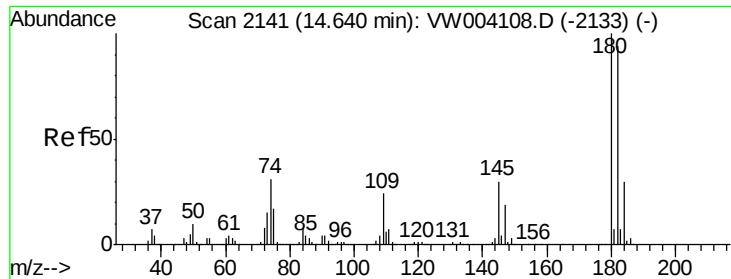


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

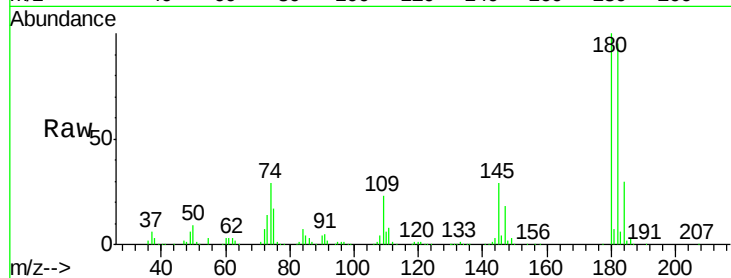




#67
 1,3,5-Trichlorobenzene
 Concen: 26.45 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VW004168.D
 Acq: 24 Jul 2018 11:27

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	75.5	113.3
184	30.3	24.0	36.0
145	29.4	23.3	34.9

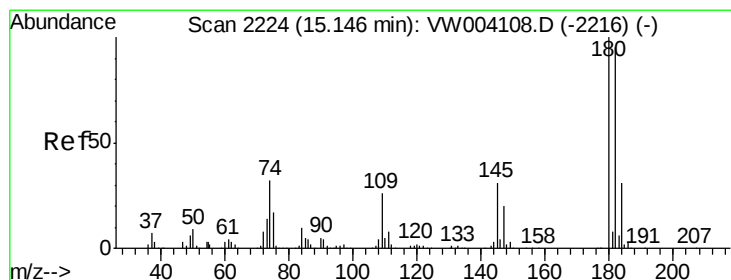
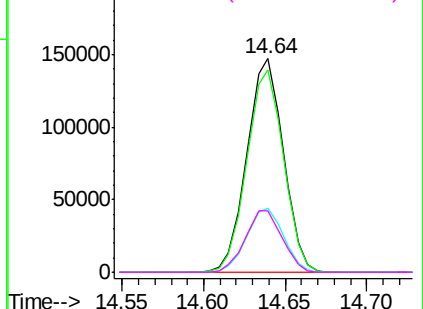
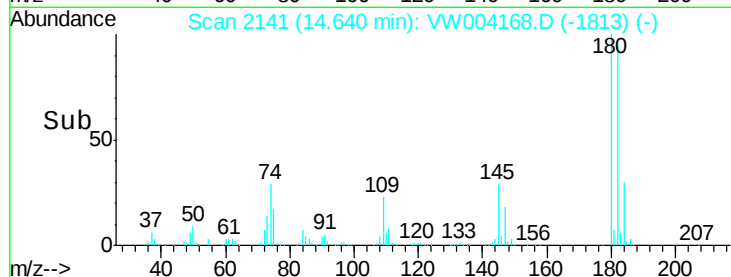


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

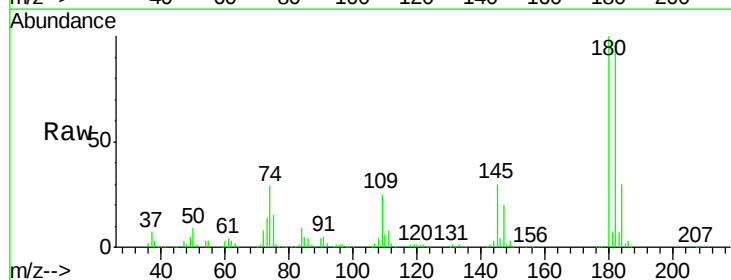
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 26.46 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW004168.D
 Acq: 24 Jul 2018 11:27

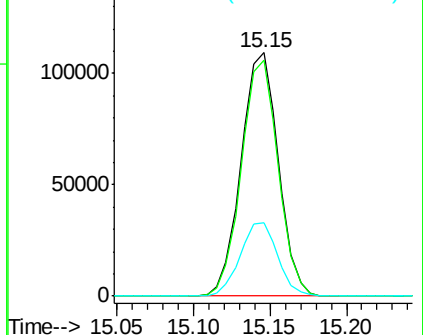
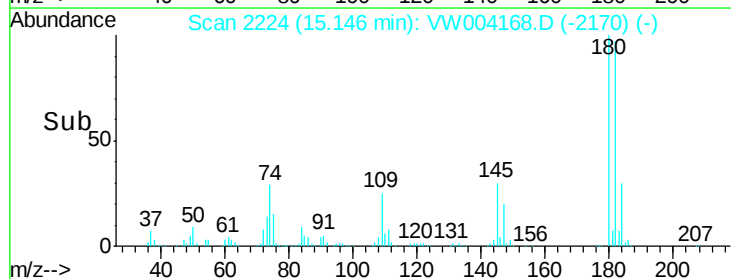
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.8	116.6
145	30.3	24.4	36.6

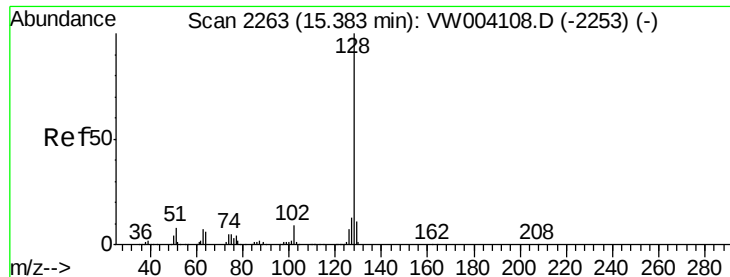


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 25.55 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VW004168.D

Acq: 24 Jul 2018 11:27

Instrument :

MSVOA_W

ClientSampleId :

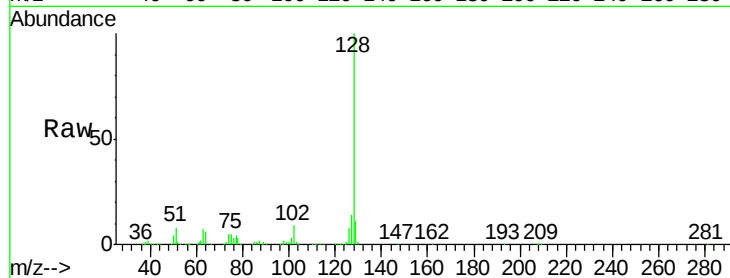
Tot Ion:128 Resp: 401727

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

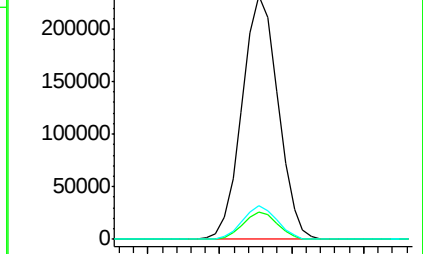
127 13.4 10.9 16.3



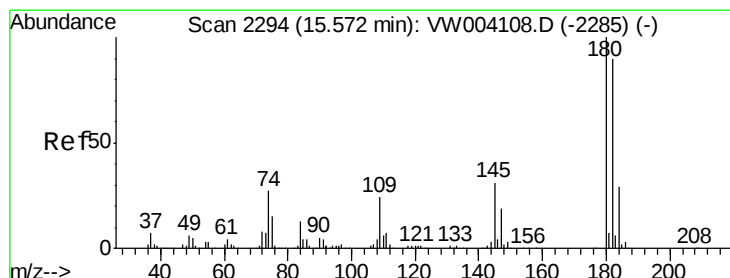
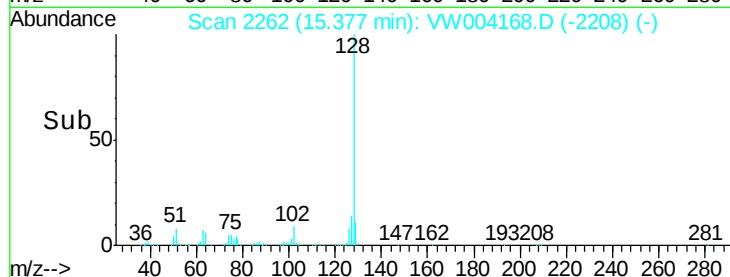
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



Time-->



#70

1,2,3-Trichlorobenzene

Concen: 27.25 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VW004168.D

Acq: 24 Jul 2018 11:27

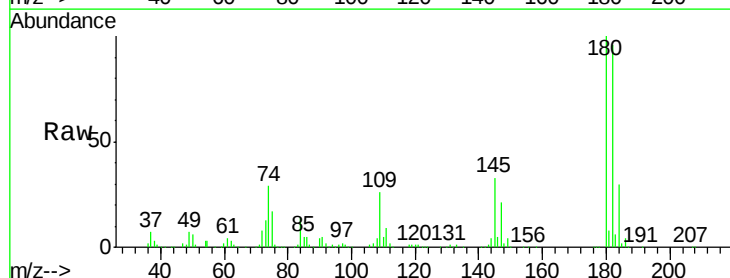
Tgt Ion:180 Resp: 181019

Ion Ratio Lower Upper

180 100

182 95.0 76.6 115.0

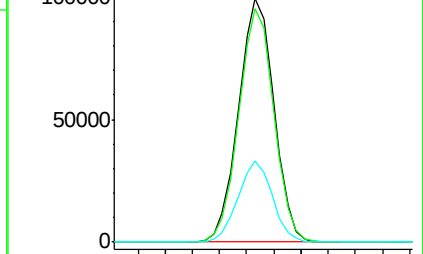
145 32.2 25.3 37.9



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



Time-->

