

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072418\
 Data File : VW004188.D
 Acq On : 24 Jul 2018 20:40
 Operator : SY/AP
 Sample : J4065-13
 Misc : 5.59G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 25 00:30:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 25 00:28:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	300358	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	287906	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	148322	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.34	65	48547	16.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	65.36%
7) Chloroethane-d5	3.04	69	161	0.08	ug/L	0.16
Spiked Amount	25.000	Range	30 - 150	Recovery	=	0.32%#
10) 1,1-Dichloroethene-d2	4.01	63	156007	21.89	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	87.56%
20) 2-Butanone-d5	7.09	46	111267	63.87	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	127.74%
24) Chloroform-d	7.65	84	180994	25.39	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.56%
26) 1,2-Dichloroethane-d4	8.31	65	108183	25.20	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.80%
29) Benzene-d6	8.27	84	312408	23.40	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.60%
33) 1,2-Dichloropropane-d6	9.27	67	111239	24.97	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.88%
37) Toluene-d8	10.32	98	280106	23.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.36%
38) trans-1,3-Dichloropropene-	10.58	79	47277	24.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.60%
39) 2-Hexanone-d5	10.93	63	81263	67.78	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	135.56%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	144534	29.62	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	118.48%
61) 1,2-Dichlorobenzene-d4	13.86	152	118339	24.81	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.24%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.00	85	44643	23.214	ug/L #	88
3) Chloromethane	2.20	50	69923	22.744	ug/L	97
5) Vinyl chloride	2.36	62	97428	21.046	ug/L	99
6) Bromomethane	2.77	94	54451	22.156	ug/L	99
8) Chloroethane	2.92	64	55710	22.955	ug/L	99
9) Trichlorofluoromethane	3.25	101	42828	18.568	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.04	101	112410	27.407	ug/L	98
12) 1,1-Dichloroethene	4.03	96	105308	26.339	ug/L	94
13) Acetone	4.12	43	90577	47.821	ug/L	100
14) Carbon disulfide	4.37	76	317206	24.524	ug/L	99
15) Methyl Acetate	4.67	43	98249	30.406	ug/L	100
16) Methylene chloride	4.91	84	120284	20.875	ug/L	98
17) Methyl tert-butyl Ether	5.42	73	210797	27.261	ug/L	99
18) trans-1,2-Dichloroethene	5.41	96	112201	27.258	ug/L	94
19) 1,1-Dichloroethane	6.21	63	224252	28.636	ug/L	97
21) 2-Butanone	7.18	43	138732	59.032	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	126698	28.797	ug/L	98

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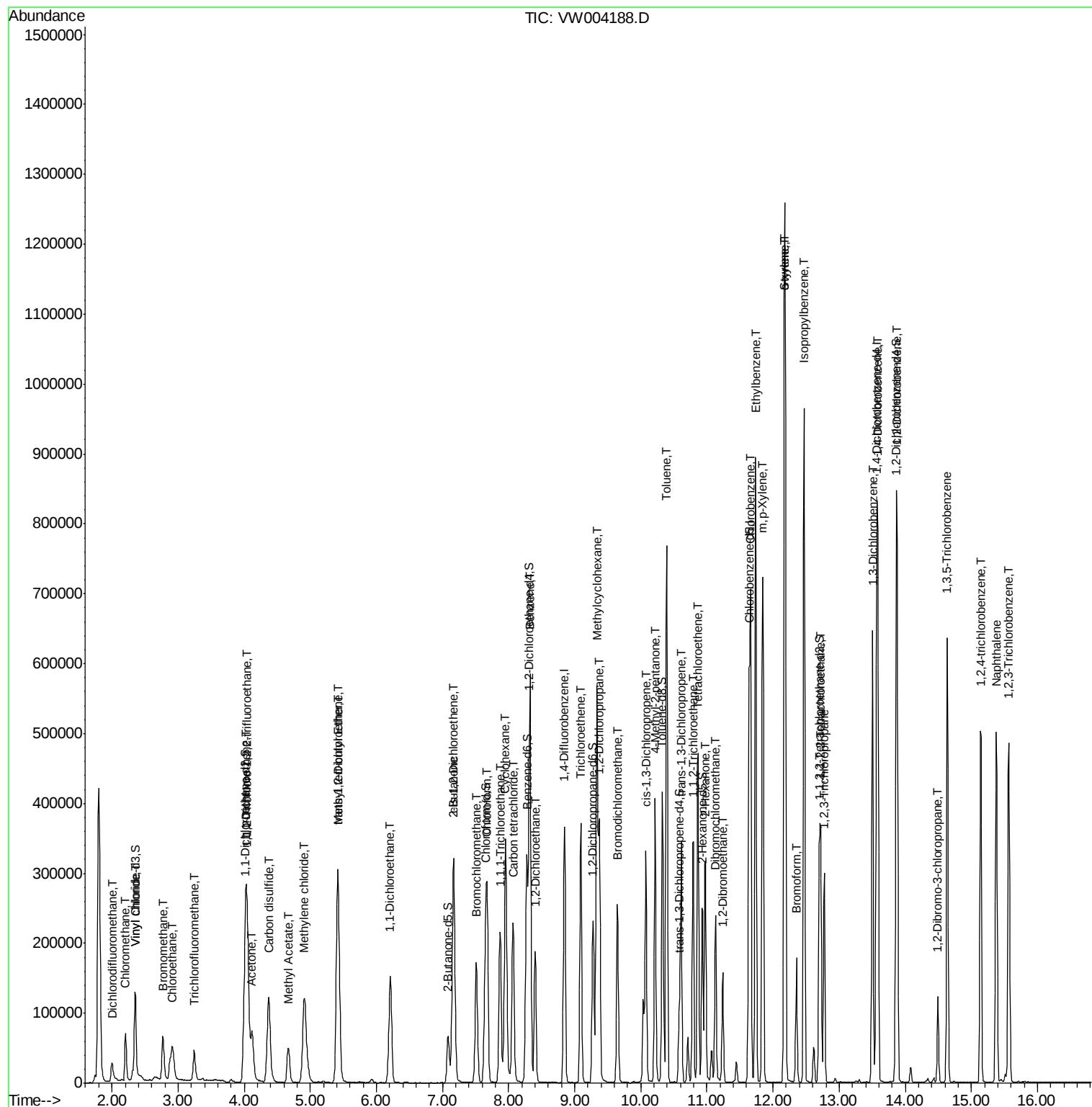
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	59276	28.654	ug/L	97
25) Chloroform	7.68	83	229401	28.686	ug/L	99
27) 1,2-Dichloroethane	8.40	62	169149	28.699	ug/L	97
30) Cyclohexane	7.95	56	192262	27.381	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	172491	26.343	ug/L	99
32) Carbon tetrachloride	8.07	117	172242	27.265	ug/L	100
34) Benzene	8.32	78	506636	28.708	ug/L	100
35) Trichloroethene	9.09	95	127817	27.069	ug/L	98
36) Methylcyclohexane	9.34	83	219483	28.123	ug/L	100
40) 1,2-Dichloropropane	9.37	63	137996	28.844	ug/L	100
41) Bromodichloromethane	9.65	83	169339	28.748	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	190280	28.226	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	269419	64.059	ug/L	99
44) Toluene	10.39	91	545935	29.522	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	179870	28.928	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	109691	29.501	ug/L	98
47) Tetrachloroethene	10.87	164	105923	27.814	ug/L	96
49) 2-Hexanone	10.98	43	209213	64.253	ug/L	100
50) Dibromochloromethane	11.13	129	124350	29.854	ug/L	99
51) 1,2-Dibromoethane	11.24	107	105865	29.152	ug/L	98
52) Chlorobenzene	11.66	112	340258	28.697	ug/L	99
53) Ethylbenzene	11.74	91	602065	30.076	ug/L	99
54) m,p-Xylene	11.85	106	228475	30.968	ug/L	98
55) o-xylene	12.17	106	211464	29.966	ug/L	98
56) Styrene	12.18	104	382951	31.413	ug/L	98
57) Isopropylbenzene	12.47	105	585057	30.239	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	159166	29.948	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	121509	29.535	ug/L	97
62) Bromoform	12.35	173	81664	29.175	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	257565	28.195	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	275008	28.076	ug/L	100
65) 1,2-Dichlorobenzene	13.88	146	257405	28.914	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	31135	29.998	ug/L	98
67) 1,3,5-Trichlorobenzene	14.64	180	200922	27.814	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	162864	28.114	ug/L	98
69) Naphthalene	15.38	128	410600	31.480	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	164771	29.894	ug/L	99

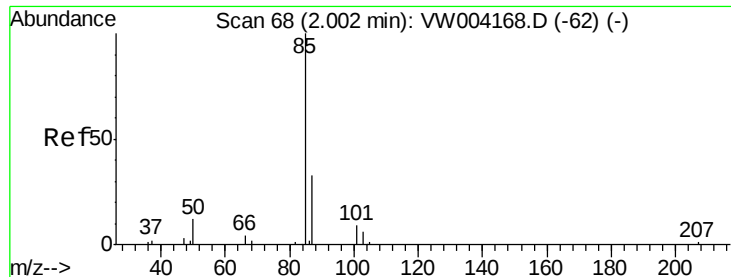
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.214 ug/L

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW004188.D

Acq: 24 Jul 2018 20:40

Instrument :

MSVOA_W

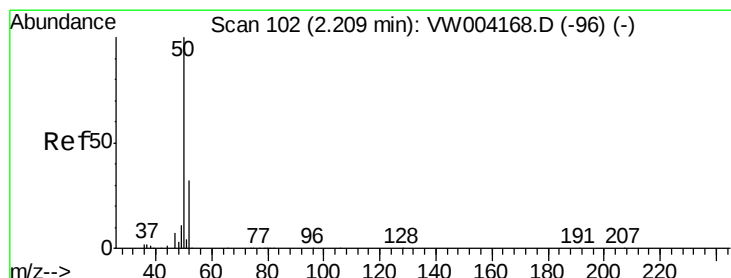
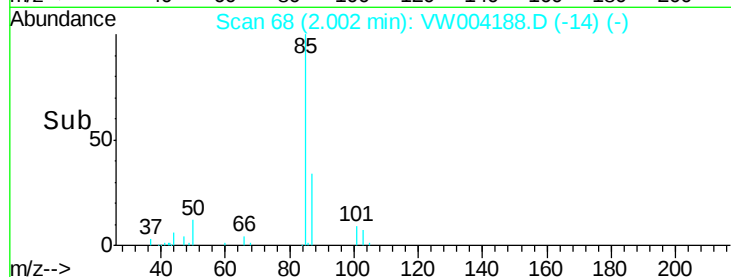
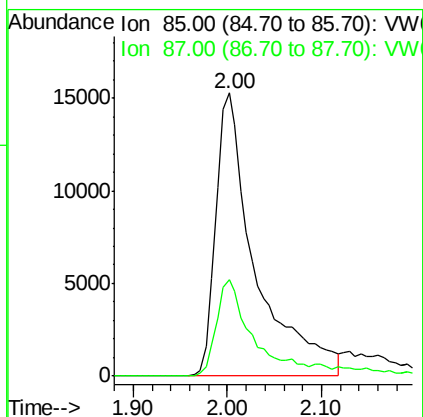
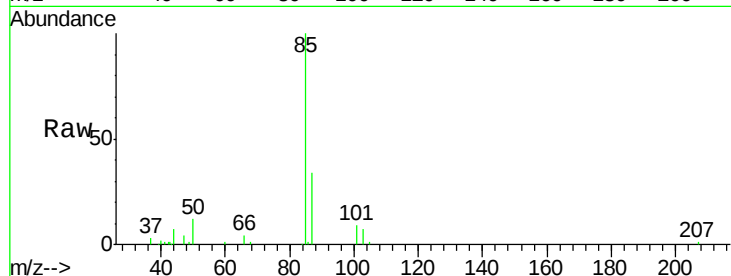
ClientSampleId :

Tot Ion: 85 Resp: 44643

Ion Ratio Lower Upper

85 100

87 28.5 0.1 0.1#



#3

Chloromethane

Concen: 22.744 ug/L

RT: 2.20 min Scan# 101

Delta R.T. -0.01 min

Lab File: VW004188.D

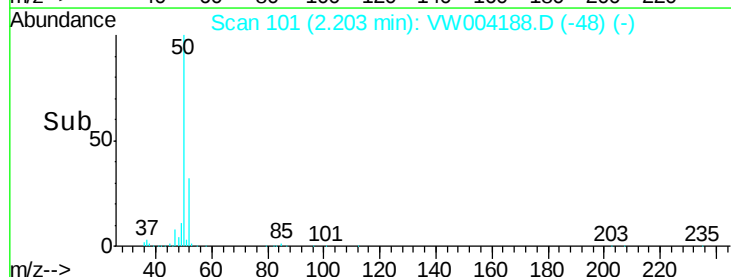
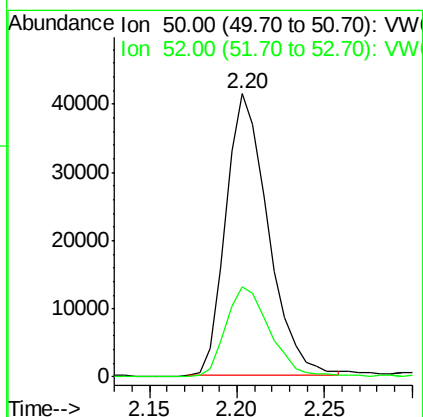
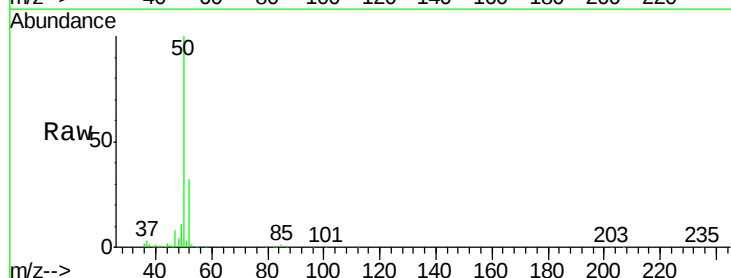
Acq: 24 Jul 2018 20:40

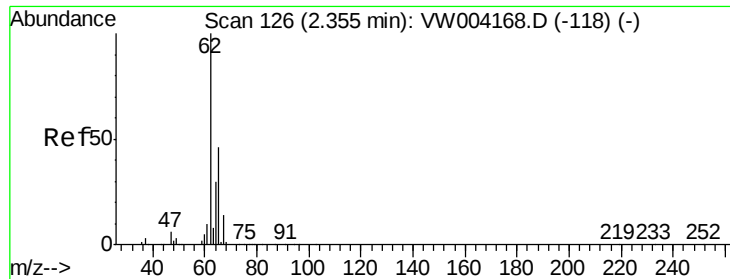
Tgt Ion: 50 Resp: 69923

Ion Ratio Lower Upper

50 100

52 31.9 21.3 39.6





#5

Vinyl chloride

Concen: 21.046 ug/L

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW004188.D

Acq: 24 Jul 2018 20:40

Instrument :

MSVOA_W

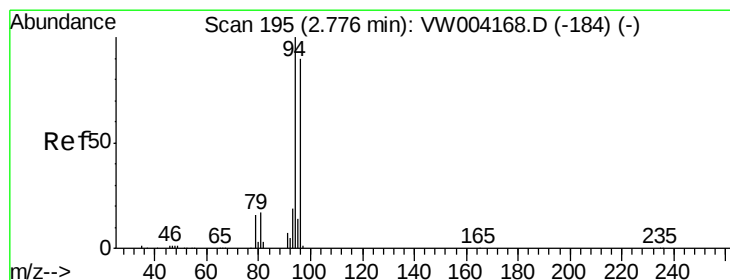
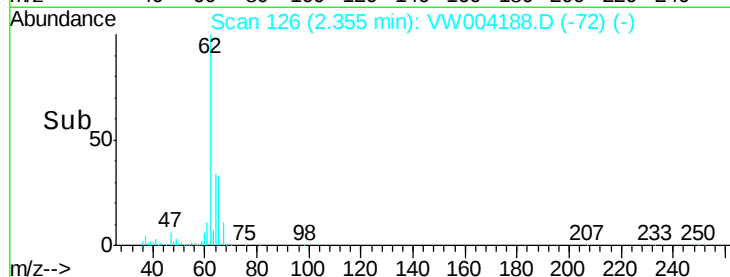
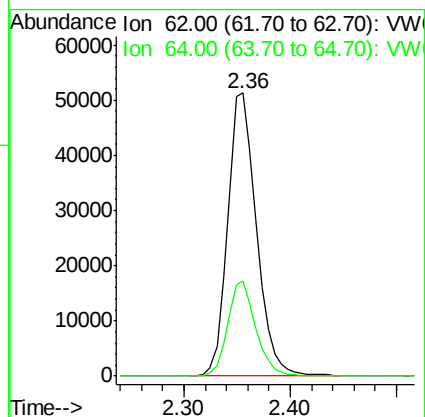
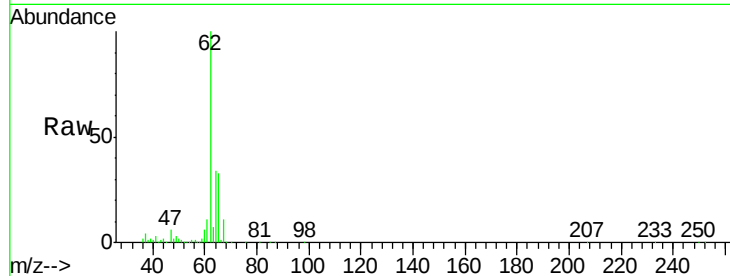
ClientSampled :

Tot Ion: 62 Resp: 97428

Ion Ratio Lower Upper

62 100

64 33.5 23.1 42.9



#6

Bromomethane

Concen: 22.156 ug/L

RT: 2.77 min Scan# 194

Delta R.T. -0.01 min

Lab File: VW004188.D

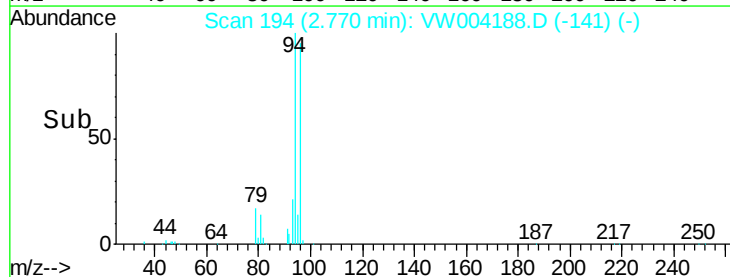
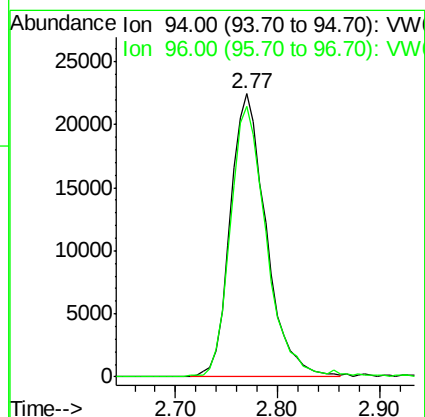
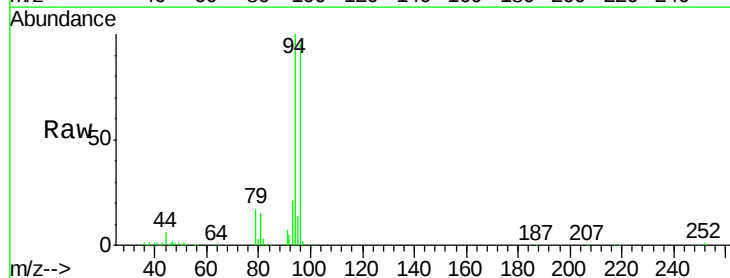
Acq: 24 Jul 2018 20:40

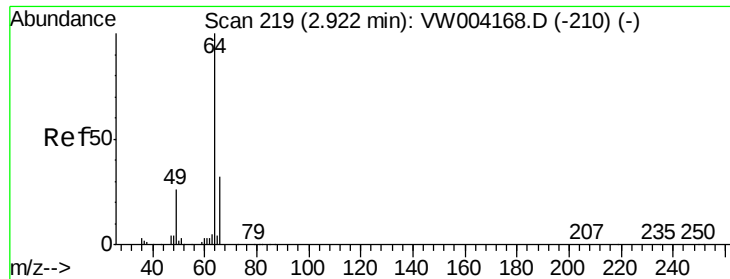
Tgt Ion: 94 Resp: 54451

Ion Ratio Lower Upper

94 100

96 95.5 9.5 179.9





#8

Chloroethane

Concen: 22.955 ug/L

RT: 2.92 min Scan# 219

Delta R.T. 0.00 min

Lab File: VW004188.D

Acq: 24 Jul 2018 20:40

Instrument :

MSVOA_W

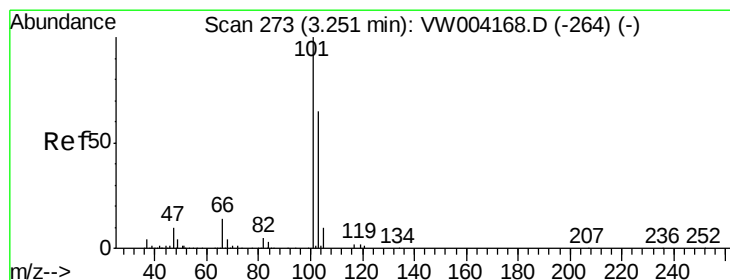
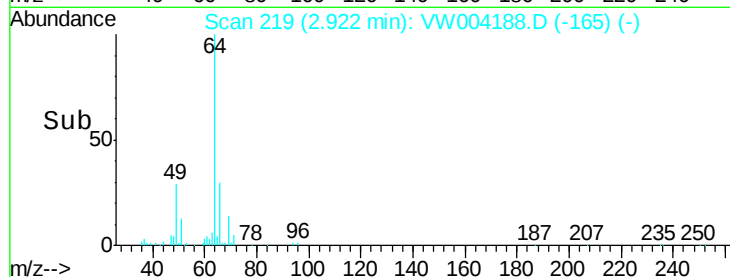
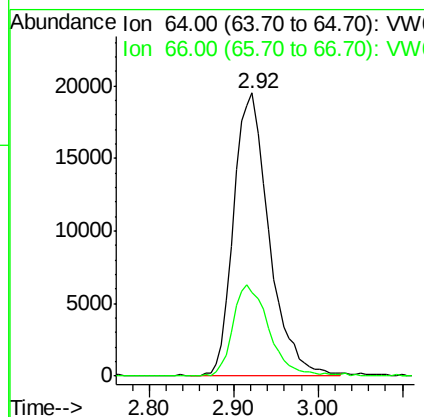
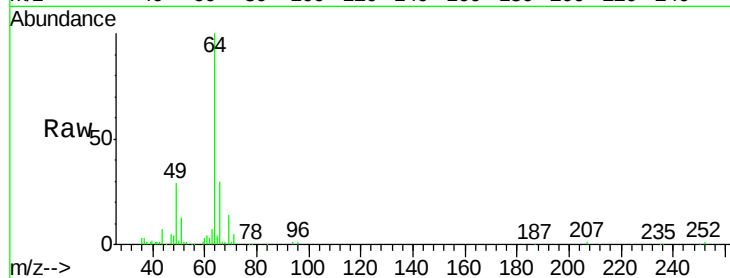
ClientSampled :

Tot Ion: 64 Resp: 55710

Ion Ratio Lower Upper

64 100

66 29.6 21.2 39.4



#9

Trichlorofluoromethane

Concen: 18.568 ug/L

RT: 3.25 min Scan# 272

Delta R.T. -0.01 min

Lab File: VW004188.D

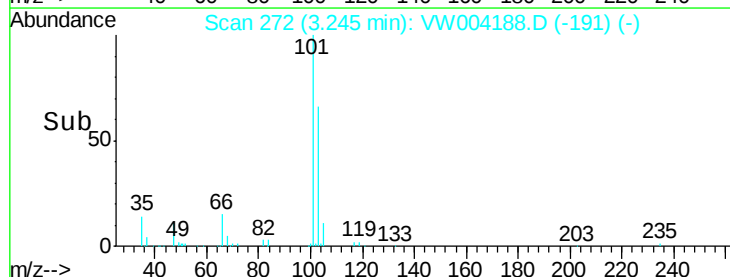
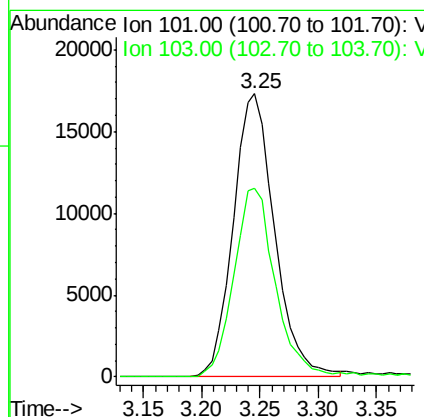
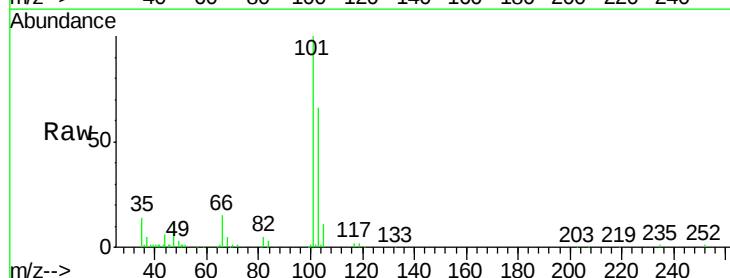
Acq: 24 Jul 2018 20:40

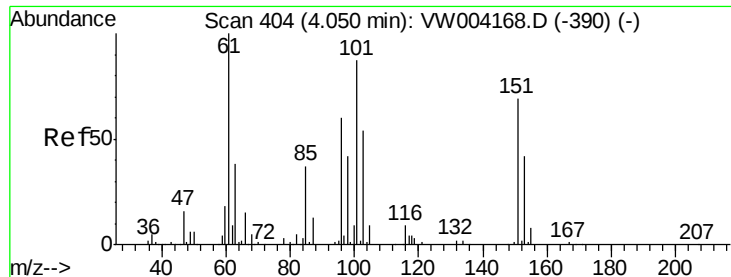
Tgt Ion: 101 Resp: 42828

Ion Ratio Lower Upper

101 100

103 66.1 45.6 84.8





#11

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

Concen: 27.407 ug/L

RT: 4.04 min Scan# 403

Delta R.T. -0.01 min

Lab File: VW004188.D

Acq: 24 Jul 2018 20:40

Instrument :

MSVOA_W

ClientSampled :

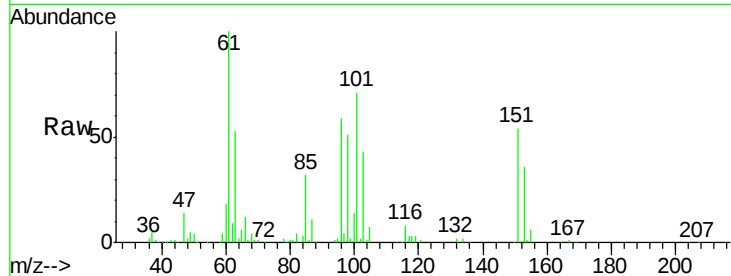
Tot Ion:101 Resp: 112410

Ion Ratio Lower Upper

101 100

85 44.2 36.2 54.4

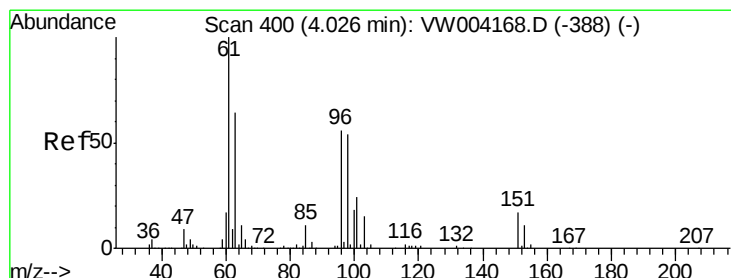
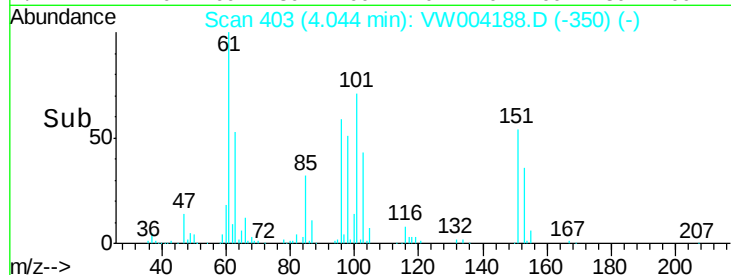
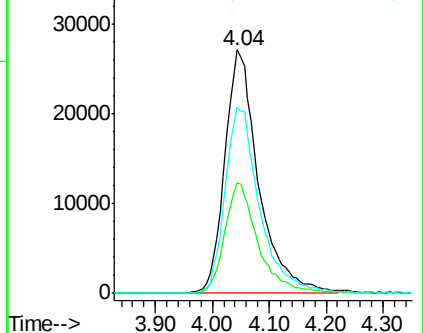
151 76.3 59.5 89.3



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: 26.339 ug/L

RT: 4.03 min Scan# 400

Delta R.T. 0.00 min

Lab File: VW004188.D

Acq: 24 Jul 2018 20:40

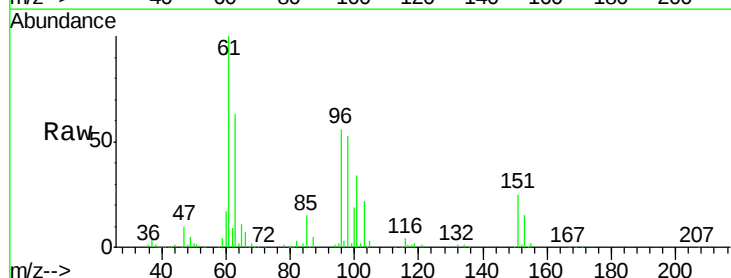
Tgt Ion: 96 Resp: 105308

Ion Ratio Lower Upper

96 100

61 178.4 127.3 236.5

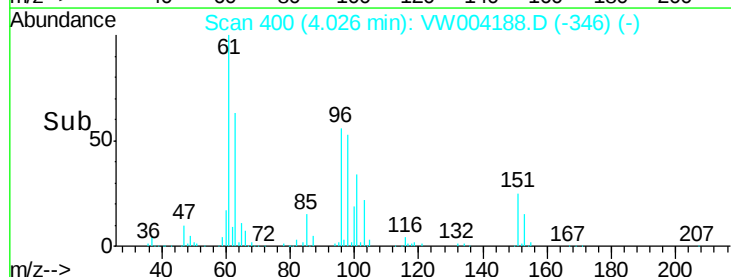
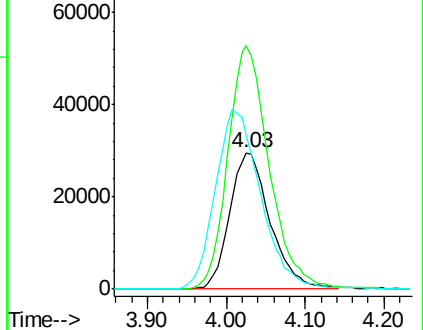
63 113.0 88.5 164.4

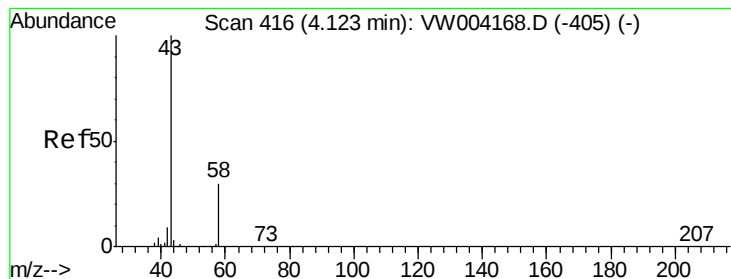


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 47.821 ug/L

RT: 4.12 min Scan# 416

Delta R.T. 0.00 min

Lab File: VW004188.D

Acq: 24 Jul 2018 20:40

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MSVOA_W

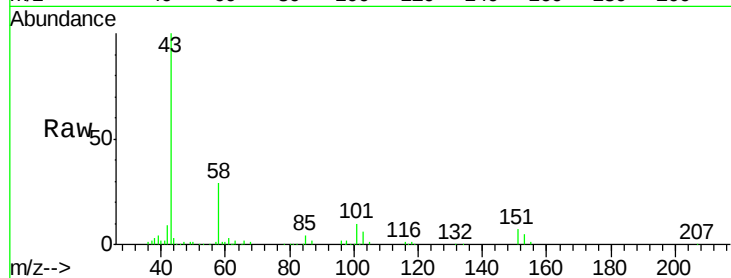
ClientSampled :

Tot Ion: 43 Resp: 90577

Ion Ratio Lower Upper

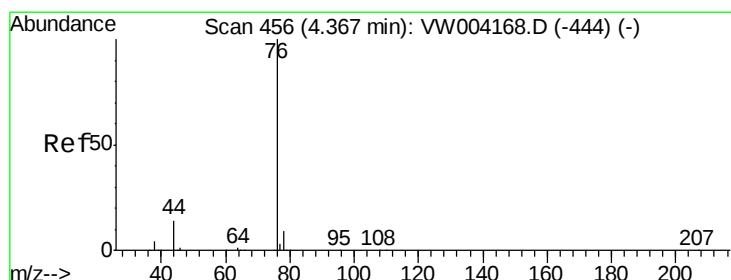
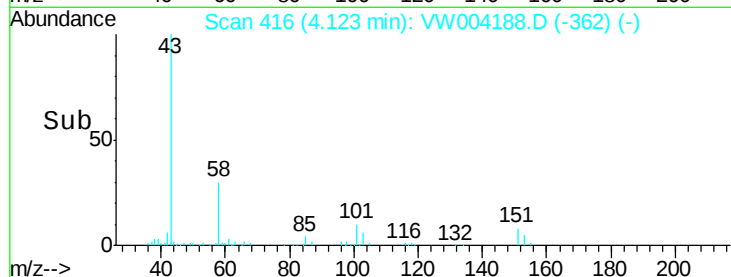
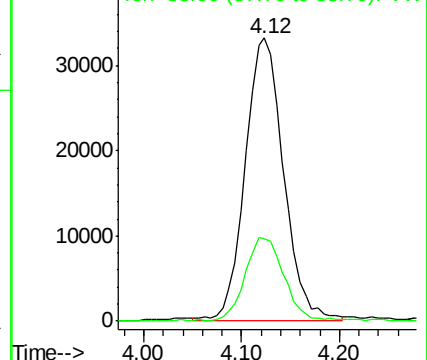
43 100

58 29.9 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 24.524 ug/L

RT: 4.37 min Scan# 456

Delta R.T. 0.00 min

Lab File: VW004188.D

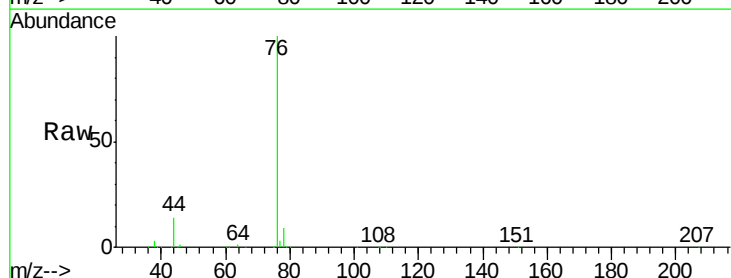
Acq: 24 Jul 2018 20:40

Tgt Ion: 76 Resp: 317206

Ion Ratio Lower Upper

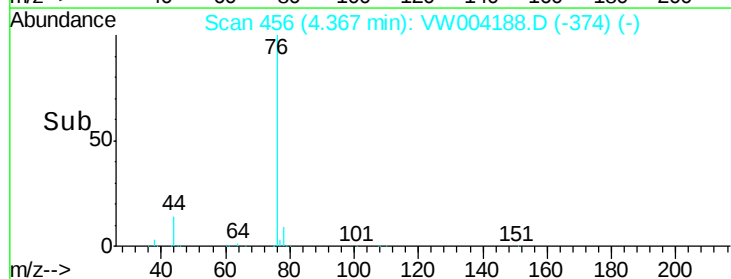
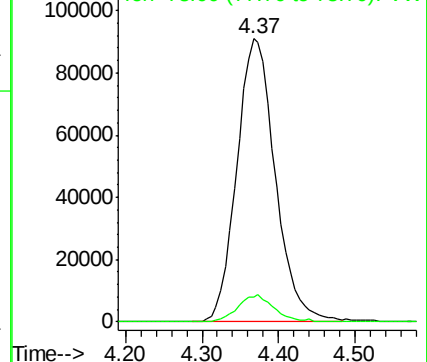
76 100

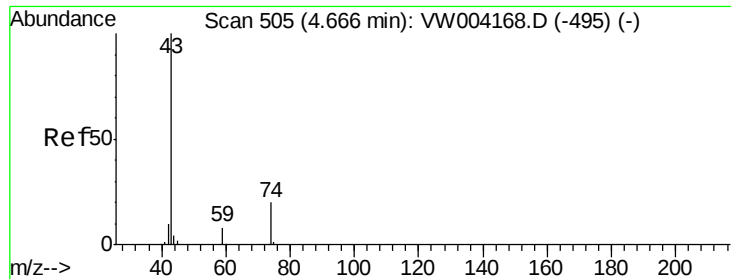
78 8.9 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

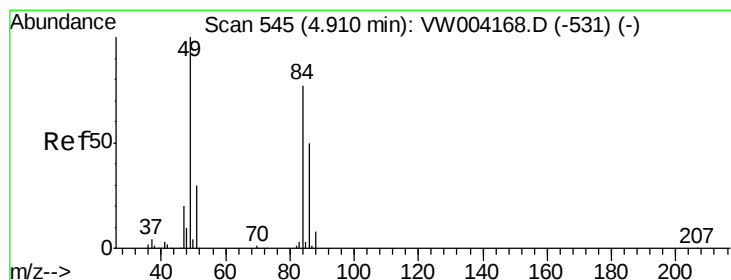
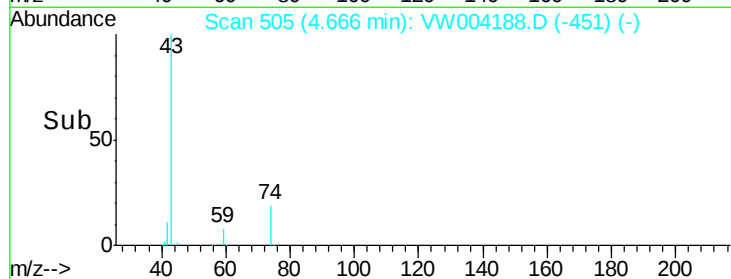
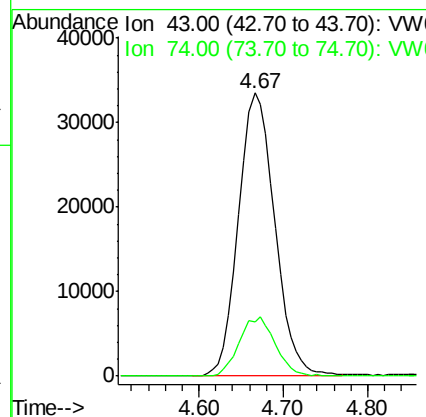
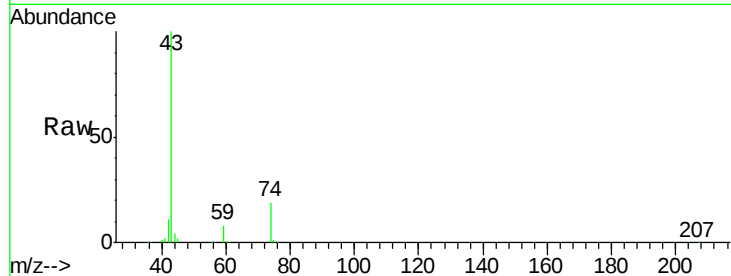




#15
Methvl Acetate
Concen: 30.406 ug/L
RT: 4.67 min Scan# 505
Delta R.T. 0.00 min
Lab File: VW004188.D
Acq: 24 Jul 2018 20:40

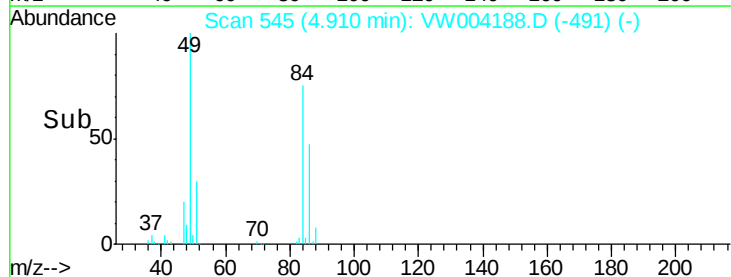
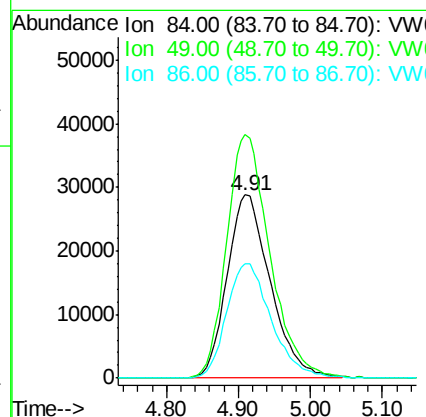
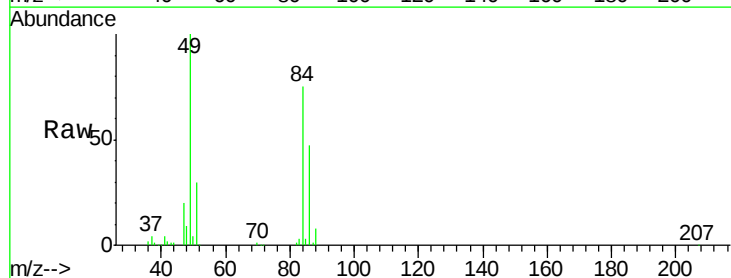
Instrument :
MSVOA_W
ClientSampleId :

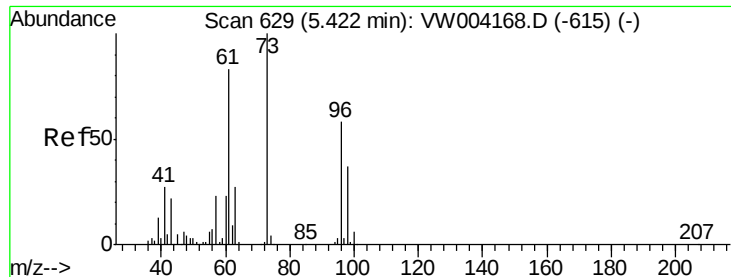
Tot Ion: 43 Resp: 98249
Ion Ratio Lower Upper
43 100
74 20.6 16.6 24.8



#16
Methylene chloride
Concen: 20.875 ug/L
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW004188.D
Acq: 24 Jul 2018 20:40

Tgt Ion: 84 Resp: 120284
Ion Ratio Lower Upper
84 100
49 133.1 94.2 175.0
86 62.7 45.1 83.9

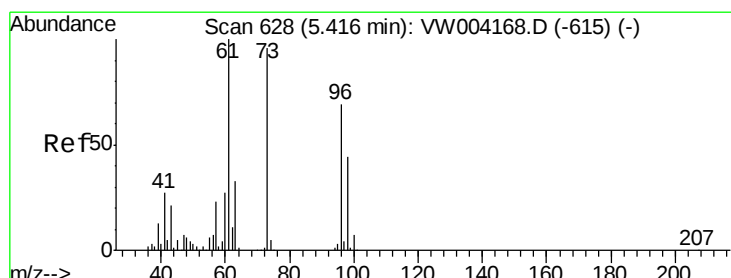
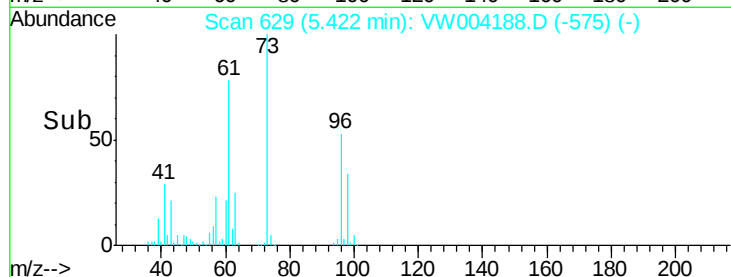
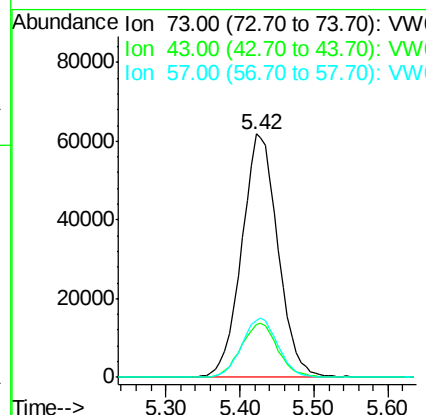
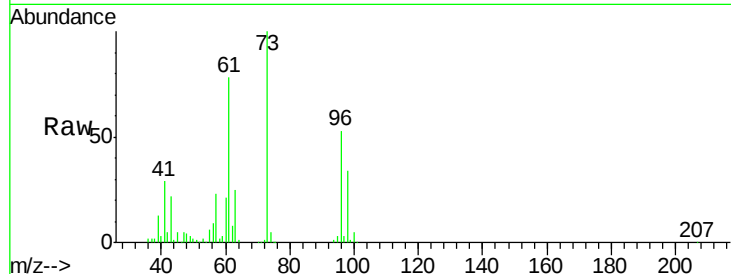




#17
Methvl tert-butvl Ether
Concen: 27.261 ug/L
RT: 5.42 min Scan# 629
Delta R.T. 0.00 min
Lab File: VW004188.D
Acq: 24 Jul 2018 20:40

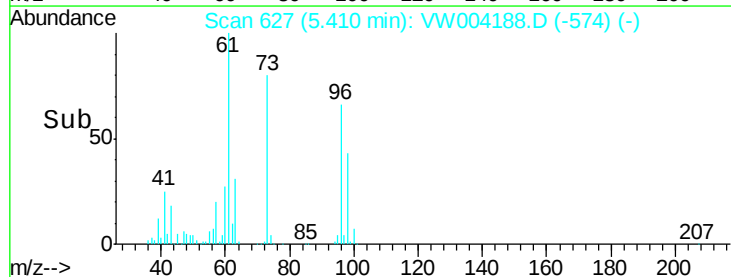
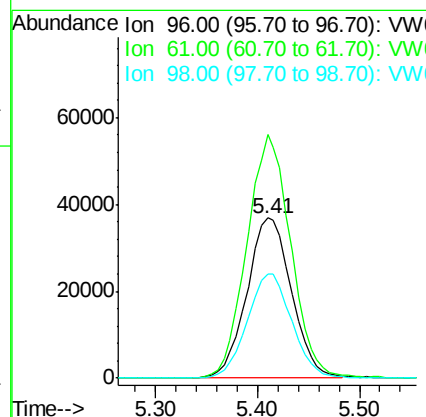
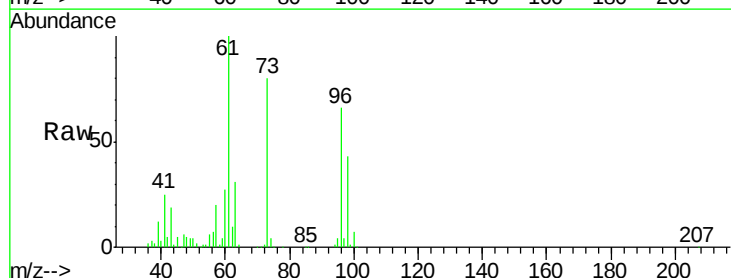
Instrument :
MSVOA_W
ClientSampled :

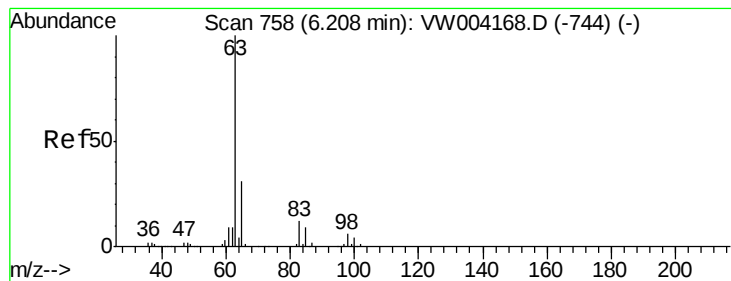
Tot Ion: 73 Resp: 210797
Ion Ratio Lower Upper
73 100
43 22.5 18.1 27.1
57 24.2 19.0 28.4



#18
trans-1,2-Dichloroethene
Concen: 27.258 ug/L
RT: 5.41 min Scan# 627
Delta R.T. -0.01 min
Lab File: VW004188.D
Acq: 24 Jul 2018 20:40

Tgt Ion: 96 Resp: 112201
Ion Ratio Lower Upper
96 100
61 152.3 99.8 185.4
98 64.8 44.9 83.3





#19

1,1-Dichloroethane

Concen: 28.636 ug/L

RT: 6.21 min Scan# 758

Delta R.T. 0.00 min

Lab File: VW004188.D

Acq: 24 Jul 2018 20:40

Instrument :

MSVOA_W

ClientSampleId :

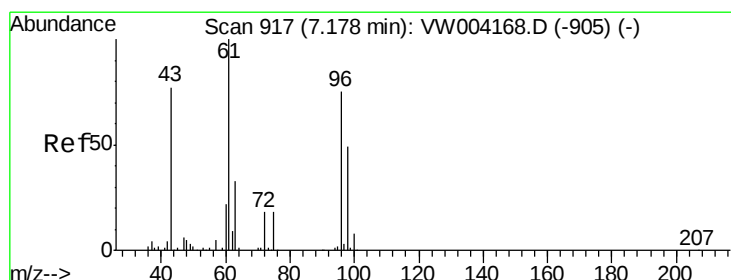
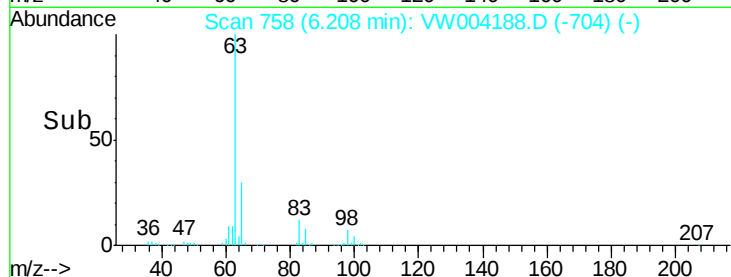
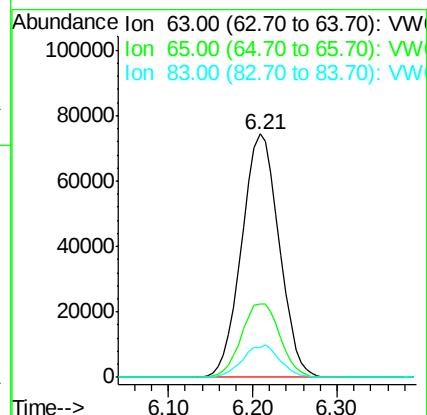
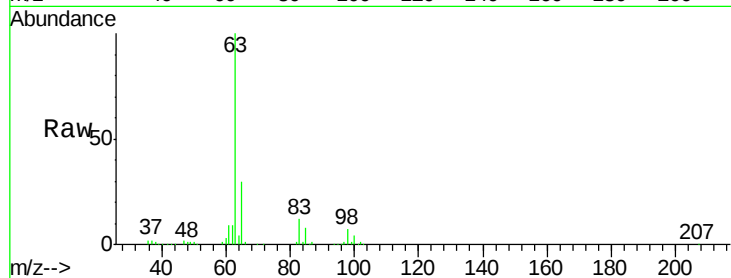
Tot Ion: 63 Resp: 224252

Ion Ratio Lower Upper

63 100

65 30.2 22.4 41.6

83 12.4 9.2 17.2



#21

2-Butanone

Concen: 59.032 ug/L

RT: 7.18 min Scan# 917

Delta R.T. 0.00 min

Lab File: VW004188.D

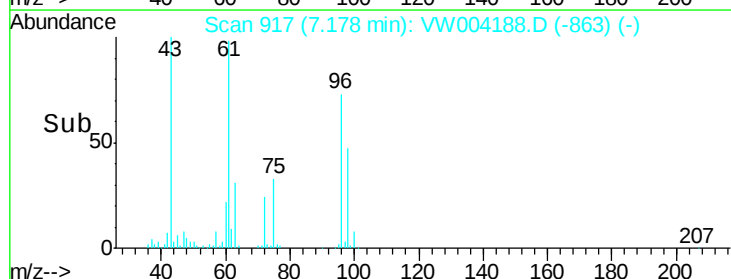
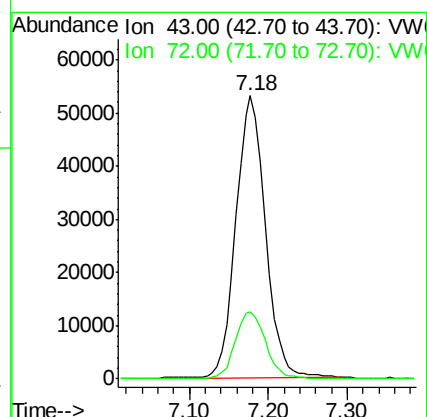
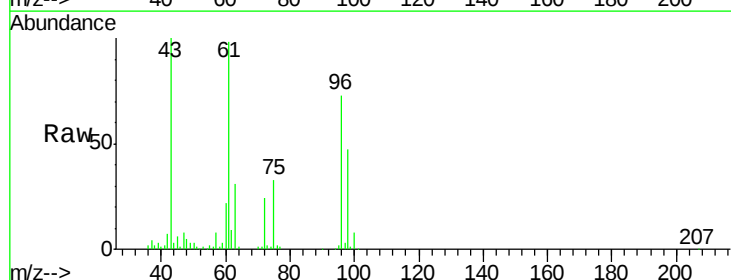
Acq: 24 Jul 2018 20:40

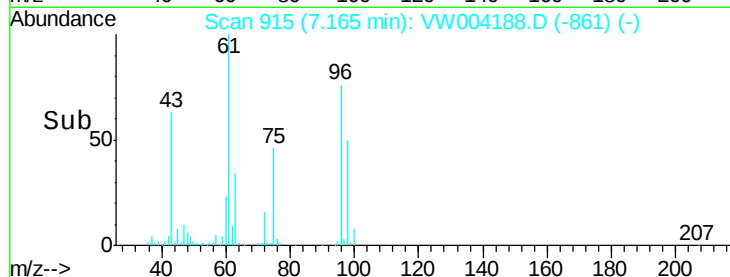
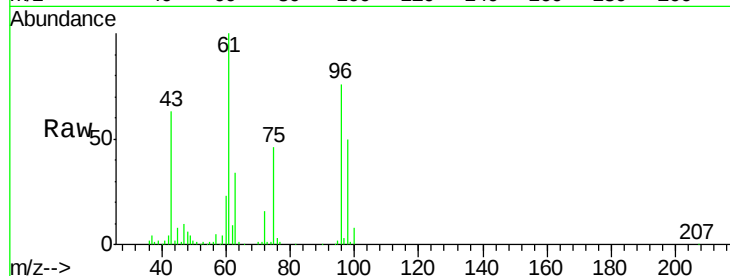
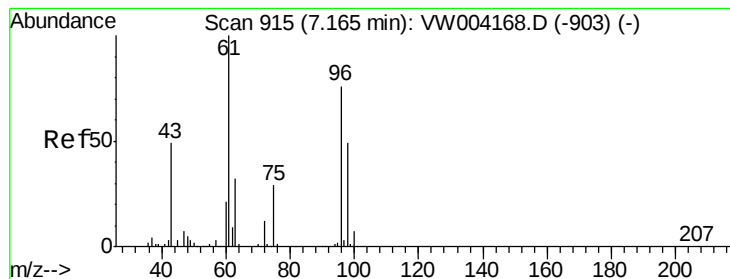
Tgt Ion: 43 Resp: 138732

Ion Ratio Lower Upper

43 100

72 24.3 12.1 36.3





#22

cis-1,2-Dichloroethene

Concen: 28.797 ug/L

RT: 7.17 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW004188.D

Acq: 24 Jul 2018 20:40

Instrument :
MSVOA_W
ClientSampled :

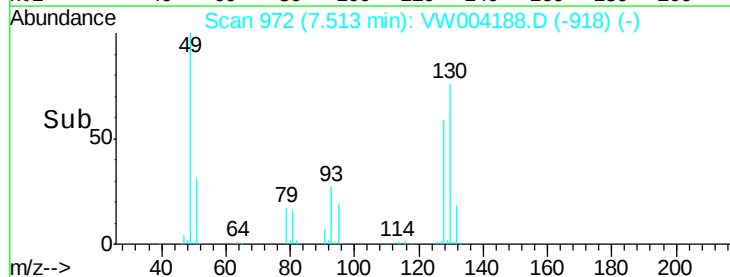
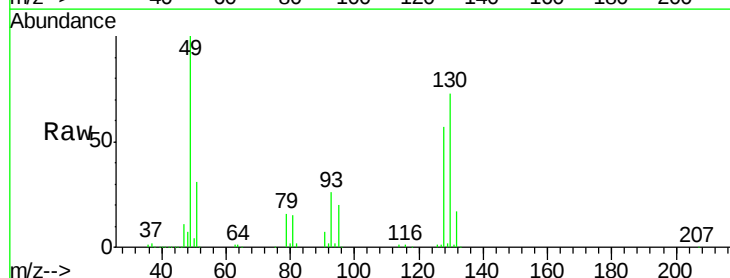
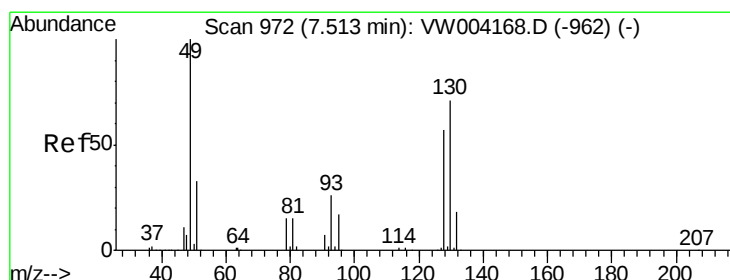
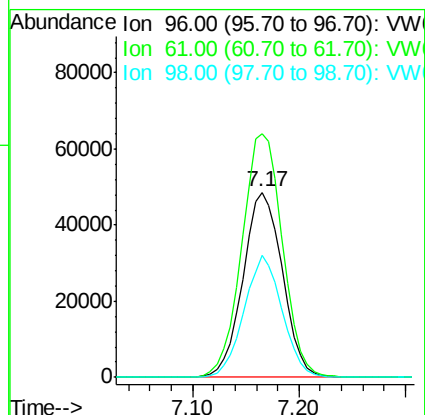
Tot Ion: 96 Resp: 126698

Ion Ratio Lower Upper

96 100

61 131.8 92.5 171.9

98 65.9 43.0 80.0



#23

Bromochloromethane

Concen: 28.654 ug/L

RT: 7.51 min Scan# 972

Delta R.T. 0.00 min

Lab File: VW004188.D

Acq: 24 Jul 2018 20:40

Tgt Ion: 128 Resp: 59276

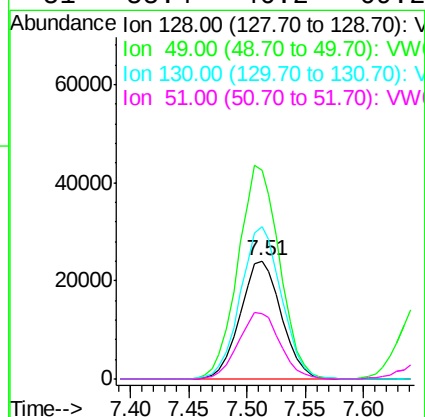
Ion Ratio Lower Upper

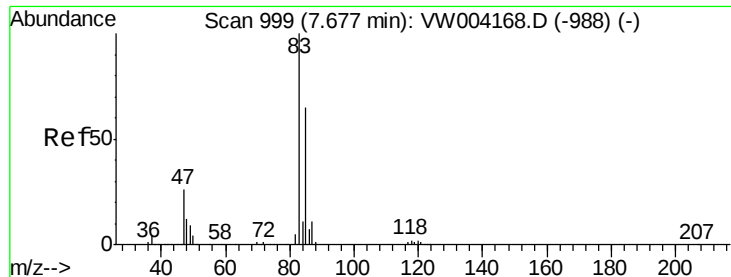
128 100

49 176.8 126.4 234.8

130 129.4 87.8 163.0

51 55.4 46.2 69.2





#25

Chloroform

Concen: 28.686 ug/L

RT: 7.68 min Scan# 999

Delta R.T. 0.00 min

Lab File: VW004188.D

Acq: 24 Jul 2018 20:40

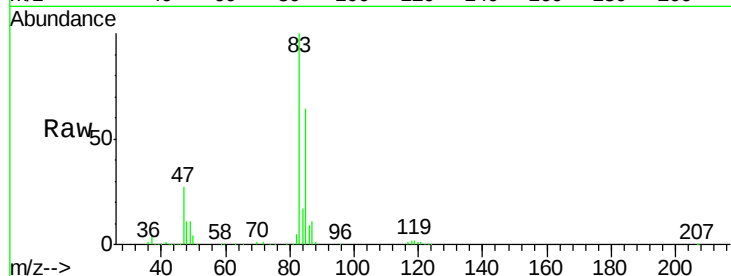
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 83 Resp: 229401

Ion Ratio Lower Upper

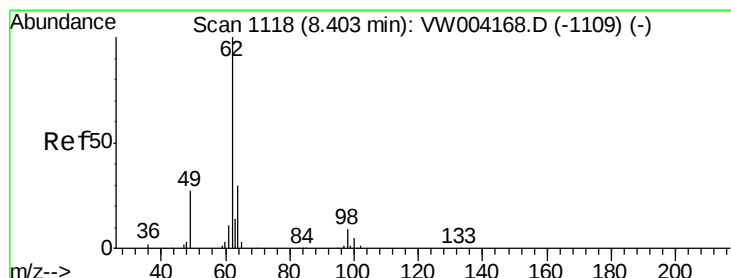
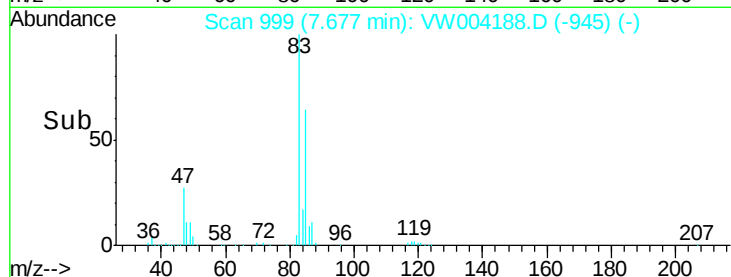
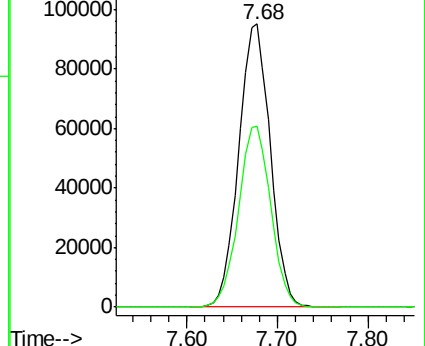
83 100

85 65.3 45.3 84.1



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 28.699 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VW004188.D

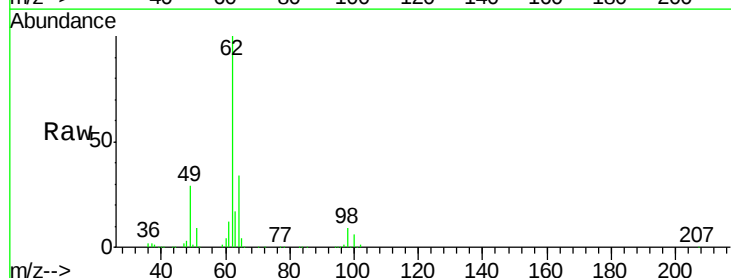
Acq: 24 Jul 2018 20:40

Tgt Ion: 62 Resp: 169149

Ion Ratio Lower Upper

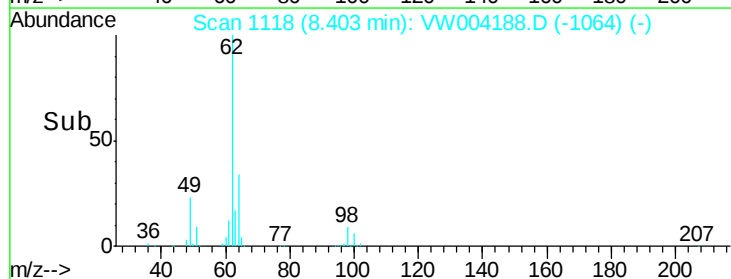
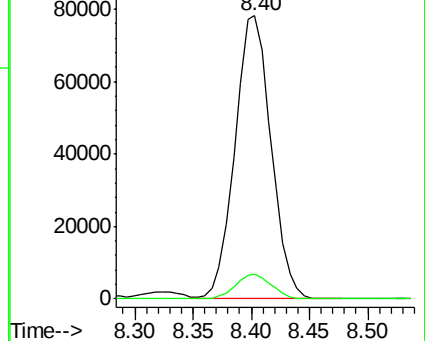
62 100

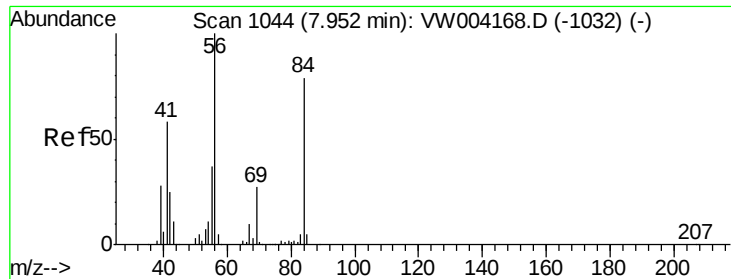
98 8.8 6.2 9.4



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

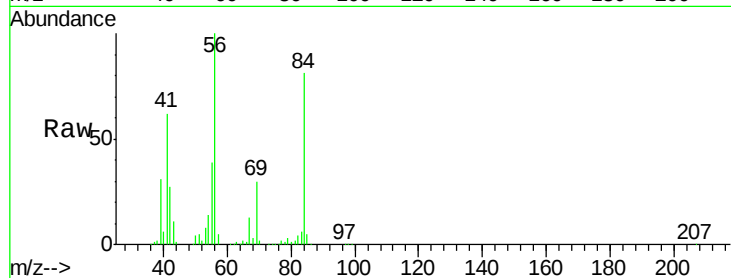




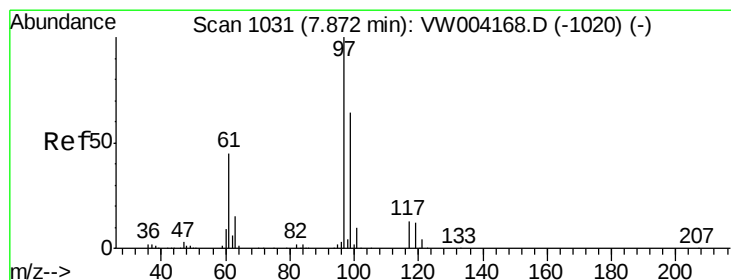
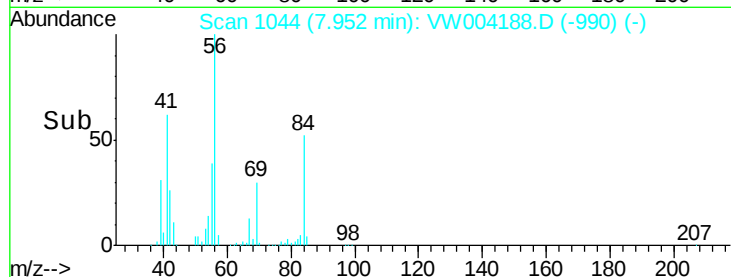
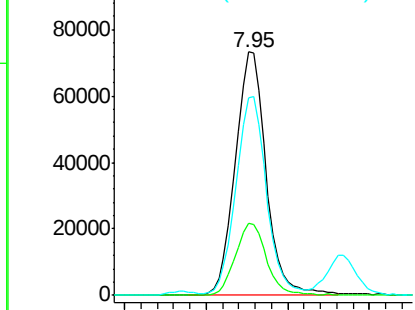
#30
Cvclohexane
Concen: 27.381 ug/L
RT: 7.95 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VW004188.D
Acq: 24 Jul 2018 20:40

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 192262
Ion Ratio Lower Upper
56 100
69 29.8 22.8 34.2
84 80.9 64.6 96.8

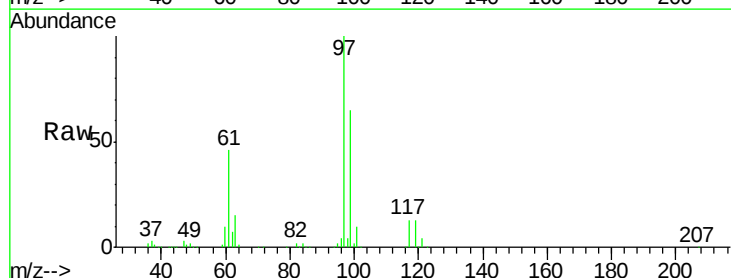


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

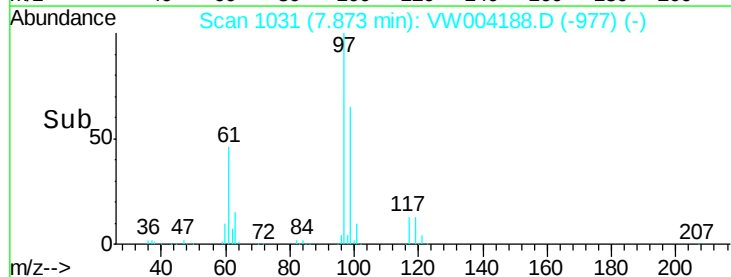
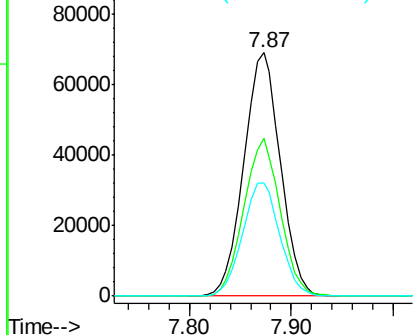


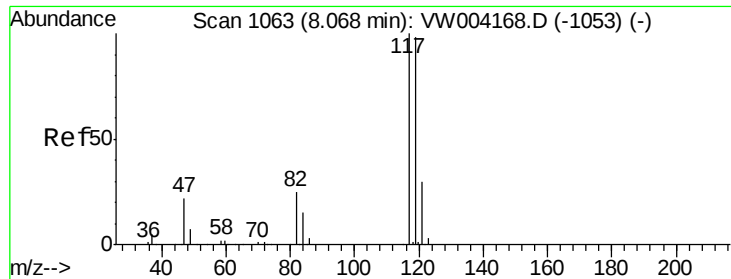
#31
1,1,1-Trichloroethane
Concen: 26.343 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW004188.D
Acq: 24 Jul 2018 20:40

Tgt Ion: 97 Resp: 172491
Ion Ratio Lower Upper
97 100
99 64.4 51.8 77.6
61 47.2 38.6 57.8



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 27.265 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VW004188.D

Acq: 24 Jul 2018 20:40

Instrument :

MSVOA_W

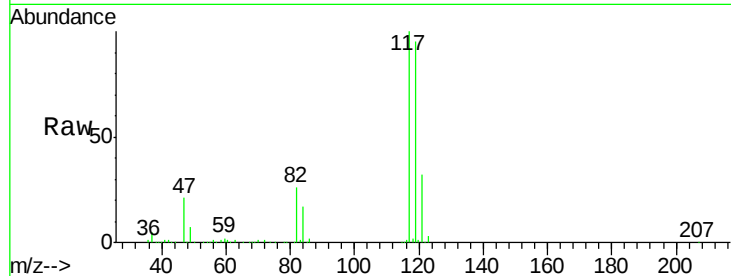
ClientSampleId :

Tot Ion:117 Resp: 172242

Ion Ratio Lower Upper

117 100

119 95.0 76.4 114.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

60000

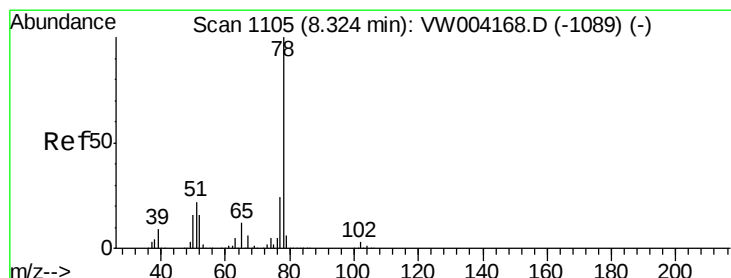
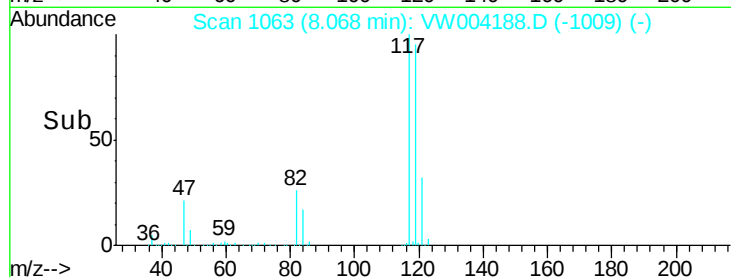
40000

20000

0

8.00 8.10 8.20

Time-->



#34

Benzene

Concen: 28.708 ug/L

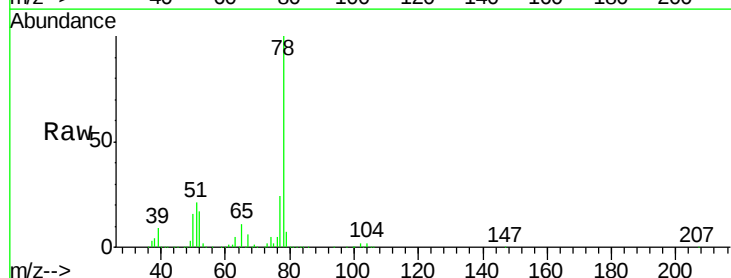
RT: 8.32 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VW004188.D

Acq: 24 Jul 2018 20:40

Tgt Ion: 78 Resp: 506636



Abundance Ion 78.00 (77.70 to 78.70): VW

250000

200000

150000

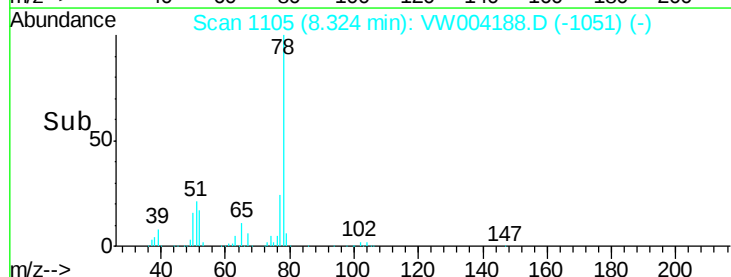
100000

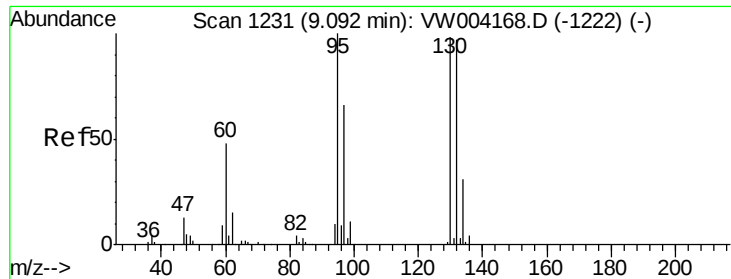
50000

0

8.20 8.30 8.40

Time-->

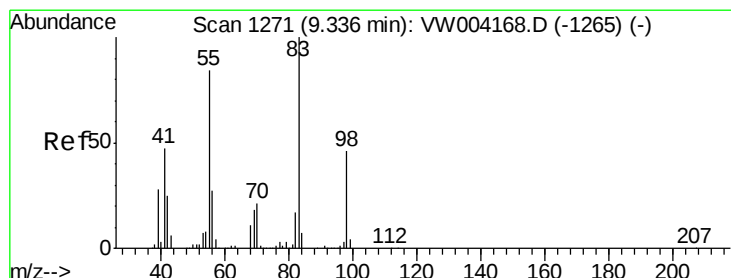
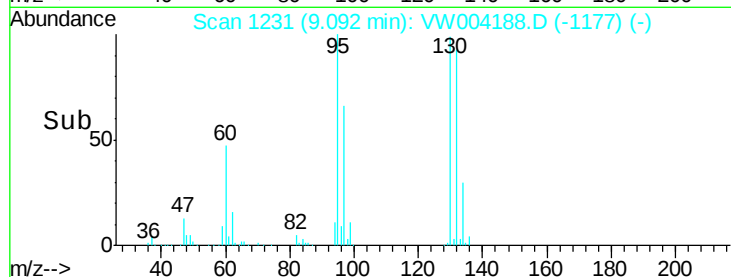
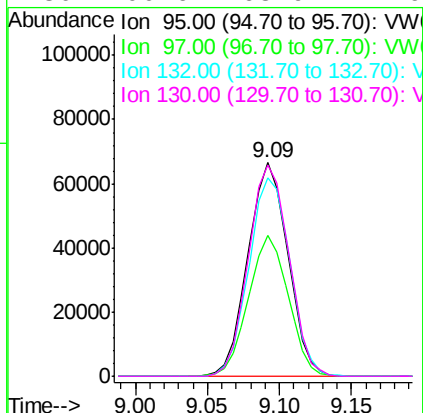
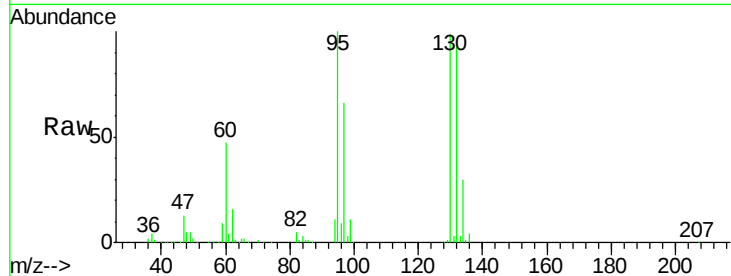




#35
 Trichloroethene
 Concen: 27.069 ug/L
 RT: 9.09 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: VW004188.D
 Acq: 24 Jul 2018 20:40

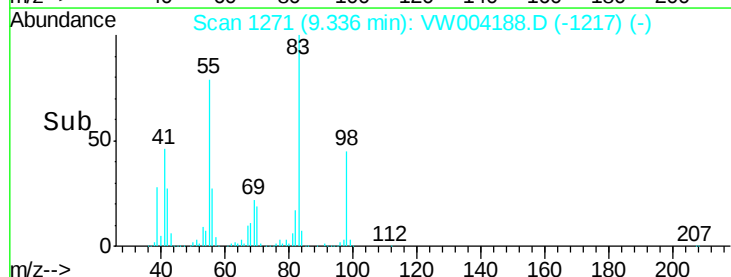
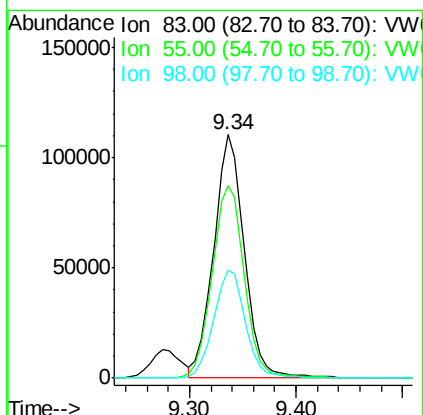
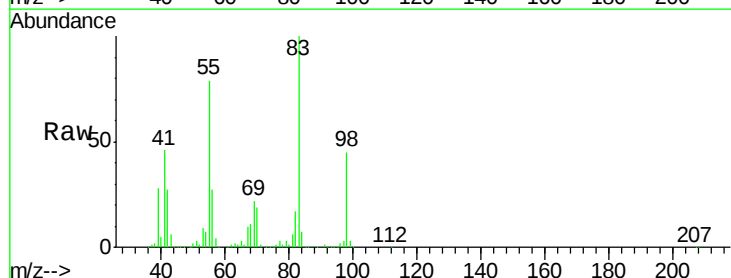
Instrument :
 MSVOA_W
 ClientSampled :

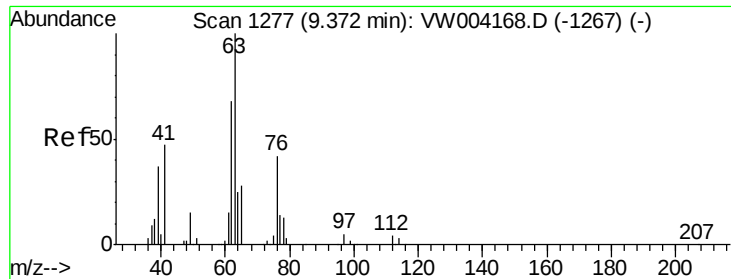
Tot Ion	95	Resp	127817
Ion	Ratio	Lower	Upper
95	100		
97	65.8	44.7	83.1
132	95.5	66.1	122.7
130	100.6	68.9	127.9



#36
 Methylcyclohexane
 Concen: 28.123 ug/L
 RT: 9.34 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VW004188.D
 Acq: 24 Jul 2018 20:40

Tgt Ion	83	Resp	219483
Ion	Ratio	Lower	Upper
83	100		
55	82.5	65.8	98.6
98	46.0	37.0	55.6

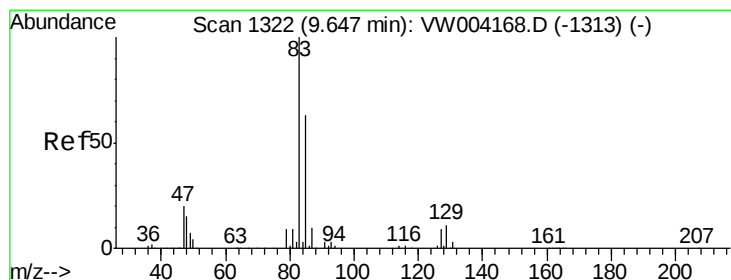
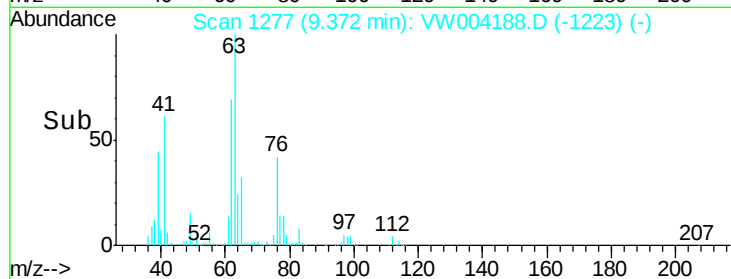
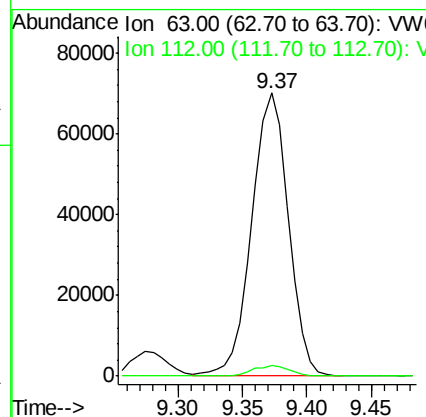
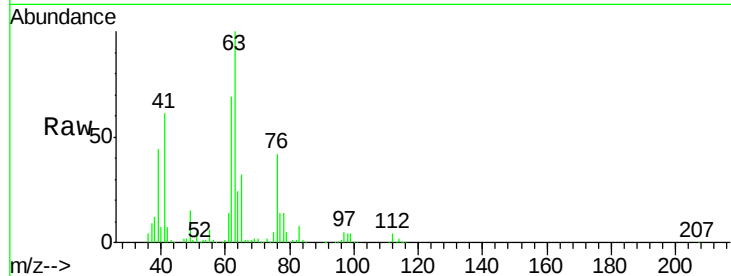




#40
 1,2-Dichloropropane
 Concen: 28.844 ug/L
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW004188.D
 Acq: 24 Jul 2018 20:40

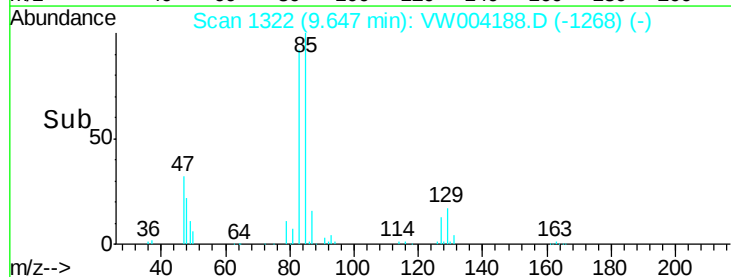
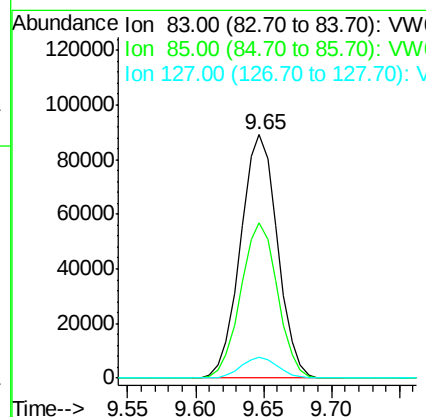
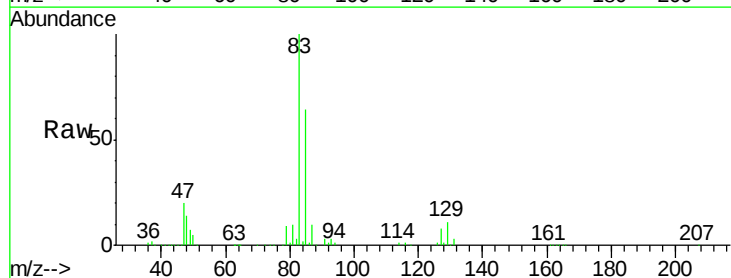
Instrument :
 MSVOA_W
 ClientSampled :

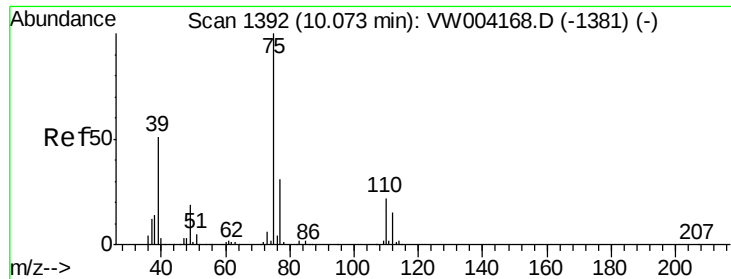
Tot Ion: 63 Resp: 137996
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.0 4.4



#41
 Bromodichloromethane
 Concen: 28.748 ug/L
 RT: 9.65 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VW004188.D
 Acq: 24 Jul 2018 20:40

Tgt Ion: 83 Resp: 169339
 Ion Ratio Lower Upper
 83 100
 85 63.8 44.7 82.9
 127 8.5 6.7 10.1

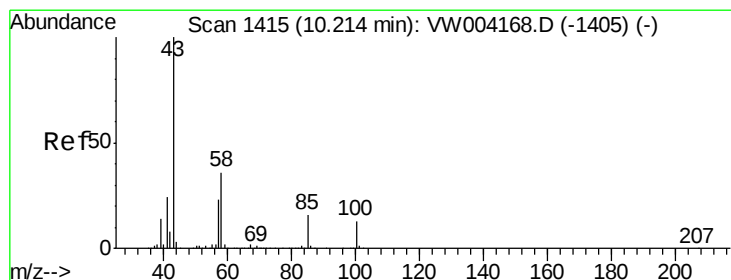
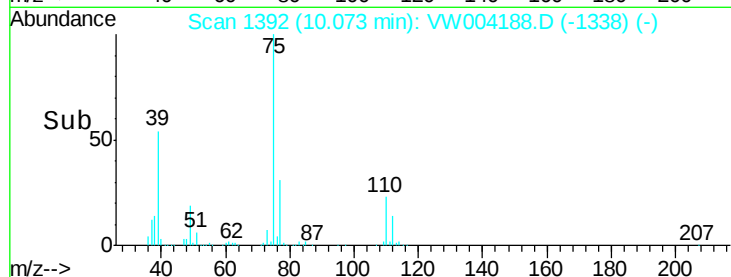
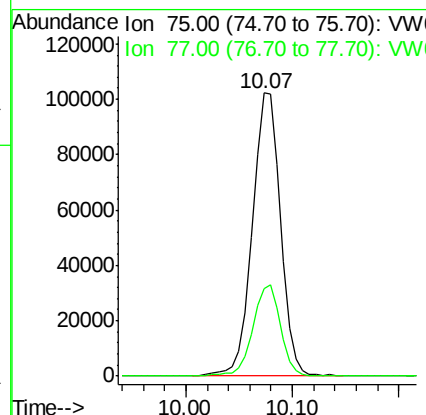
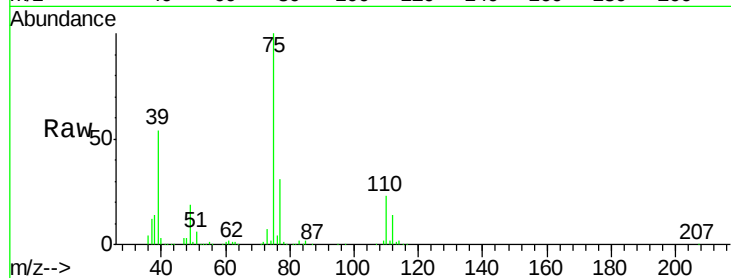




#42
 cis-1,3-Dichloropropene
 Concen: 28.226 ug/L
 RT: 10.07 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW004188.D
 Acq: 24 Jul 2018 20:40

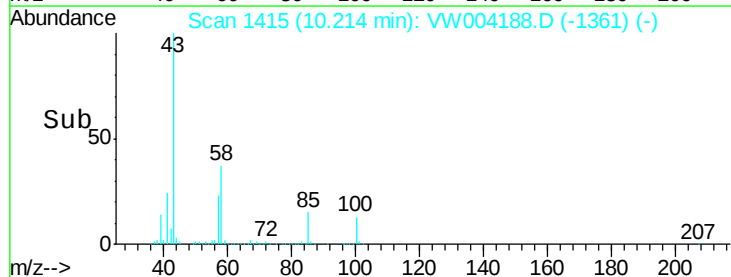
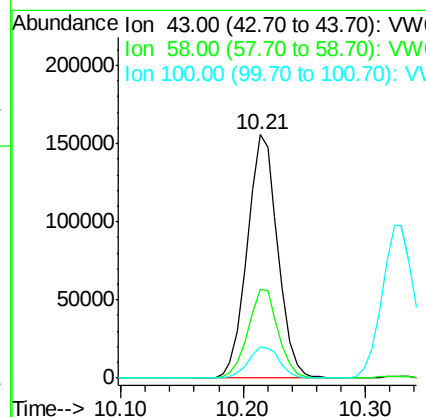
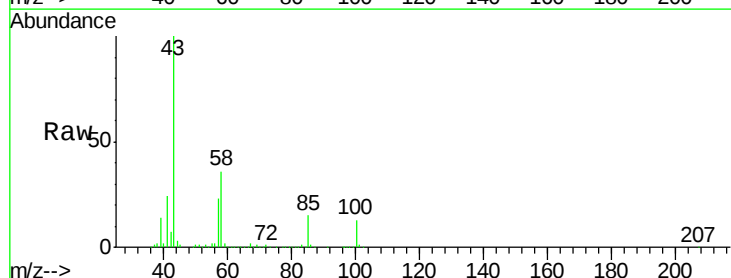
Instrument :
 MSVOA_W
 ClientSampleId :

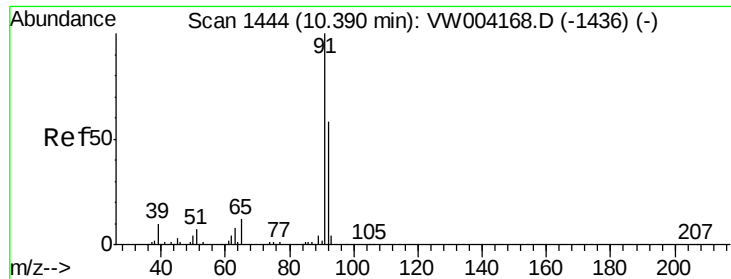
Tot Ion: 75 Resp: 190280
 Ion Ratio Lower Upper
 75 100
 77 30.9 22.3 41.5



#43
 4-Methyl-2-pentanone
 Concen: 64.059 ug/L
 RT: 10.21 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VW004188.D
 Acq: 24 Jul 2018 20:40

Tgt Ion: 43 Resp: 269419
 Ion Ratio Lower Upper
 43 100
 58 36.2 29.4 44.2
 100 13.2 10.8 16.2





#44

Toluene

Concen: 29.522 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004188.D

Acq: 24 Jul 2018 20:40

Instrument :

MSVOA_W

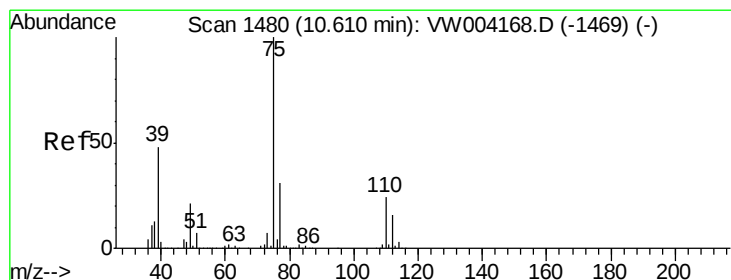
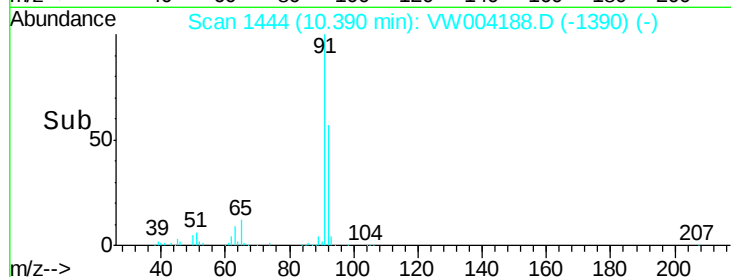
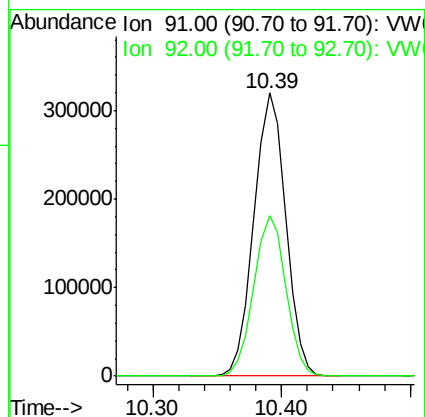
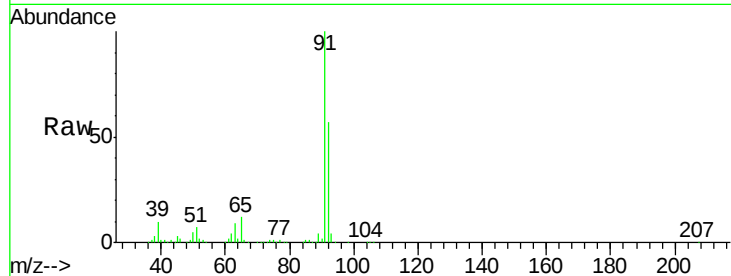
ClientSampled :

Tot Ion: 91 Resp: 545935

Ion Ratio Lower Upper

91 100

92 56.5 39.5 73.4



#45

trans-1,3-Dichloropropene

Concen: 28.928 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004188.D

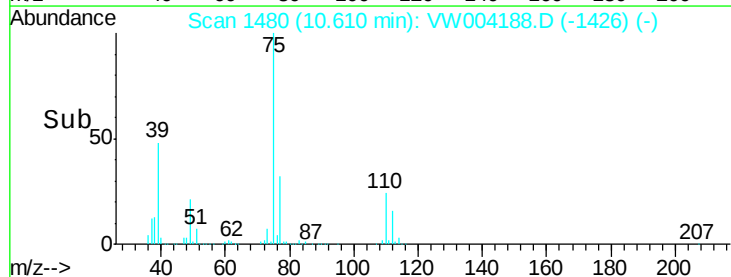
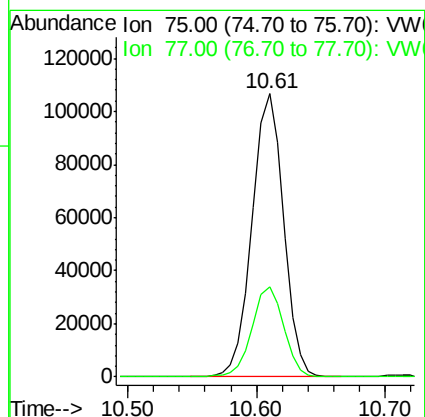
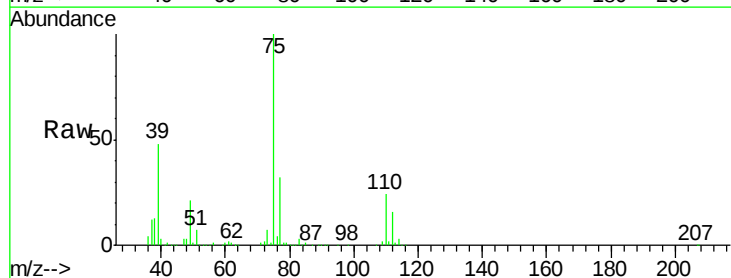
Acq: 24 Jul 2018 20:40

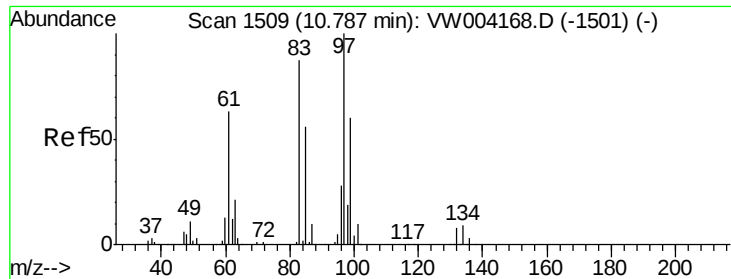
Tgt Ion: 75 Resp: 179870

Ion Ratio Lower Upper

75 100

77 31.8 22.5 41.7

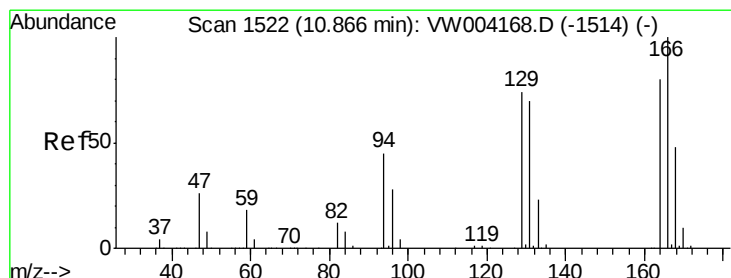
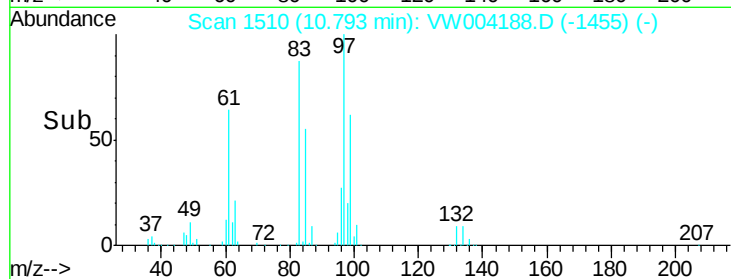
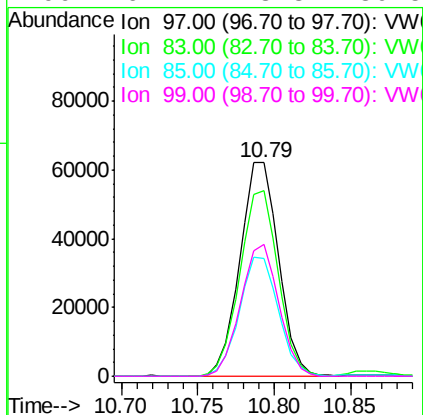
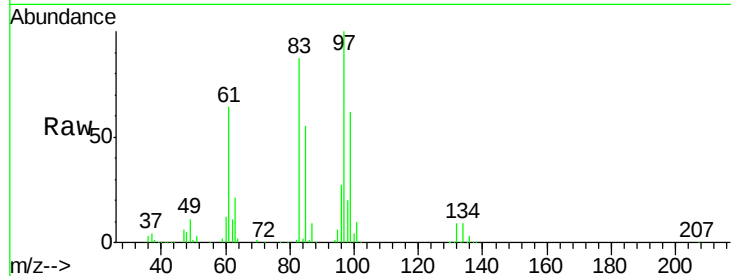




#46
1,1,2-Trichloroethane
Concen: 29.501 ug/L
RT: 10.79 min Scan# 1510
Delta R.T. 0.01 min
Lab File: VW004188.D
Acq: 24 Jul 2018 20:40

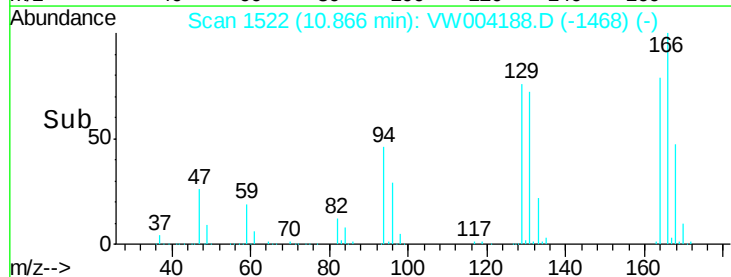
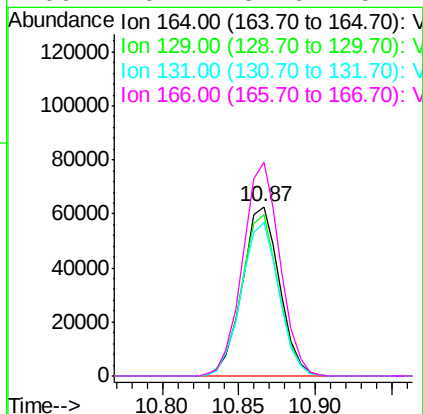
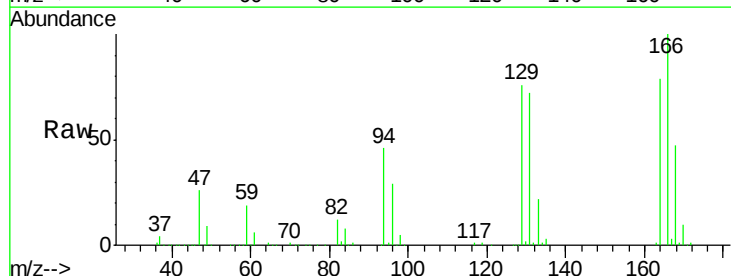
Instrument :
MSVOA_W
ClientSampleId :

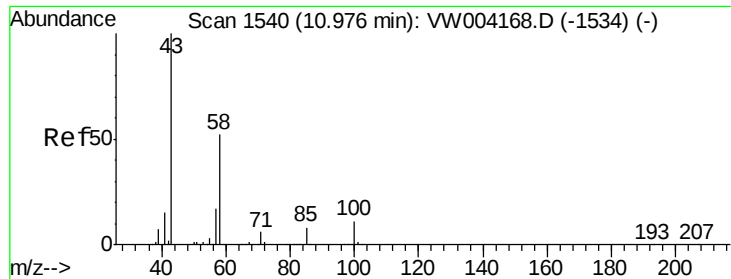
Tot Ion:	97	Resp:	109691
Ion	Ratio	Lower	Upper
97	100		
83	87.0	59.4	110.4
85	55.3	40.0	74.2
99	61.7	43.3	80.5



#47
Tetrachloroethene
Concen: 27.814 ug/L
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW004188.D
Acq: 24 Jul 2018 20:40

Tgt Ion:	164	Resp:	105923
Ion	Ratio	Lower	Upper
164	100		
129	95.3	63.1	117.3
131	90.5	62.8	116.6
166	126.1	84.6	157.2

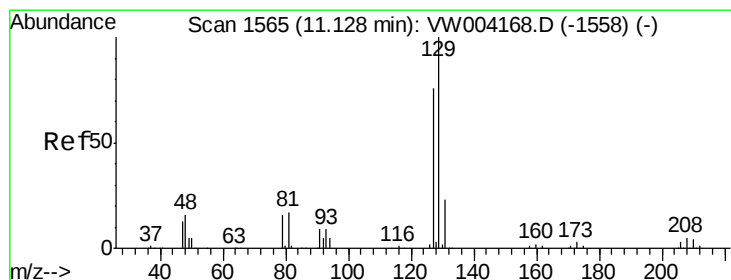
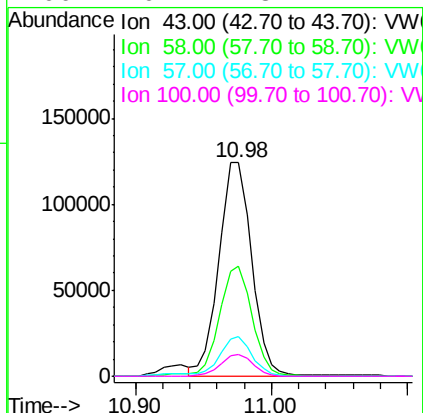
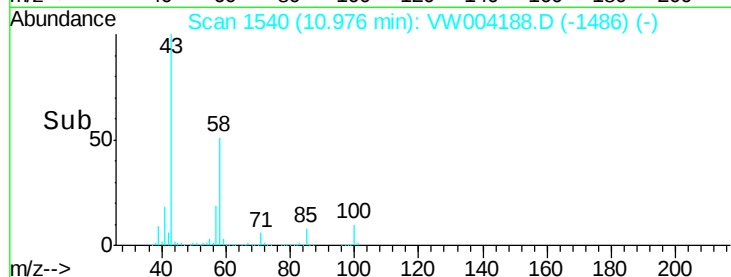
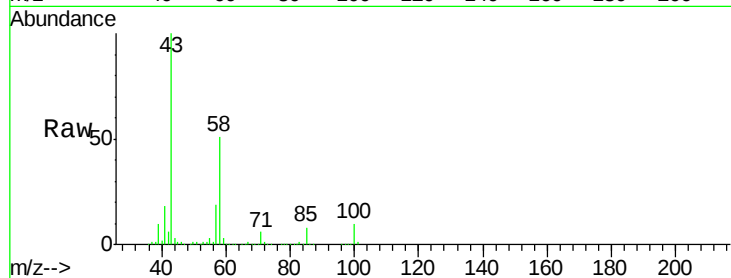




#49
2-Hexanone
Concen: 64.253 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004188.D
Acq: 24 Jul 2018 20:40

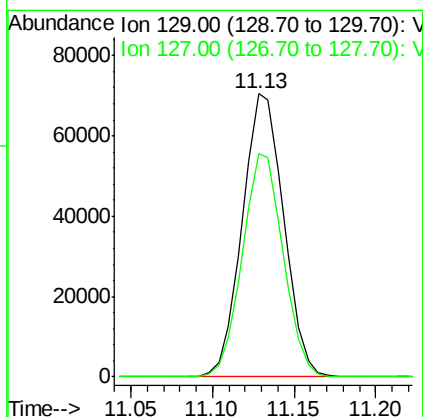
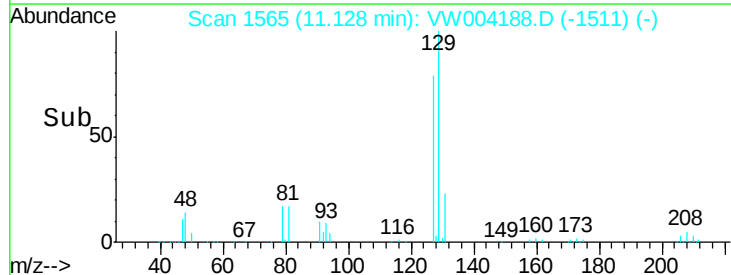
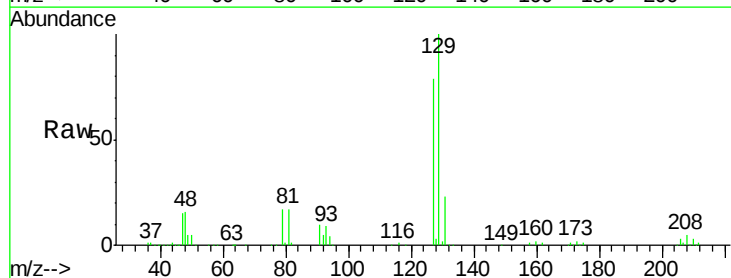
Instrument :
MSVOA_W
ClientSampleId :

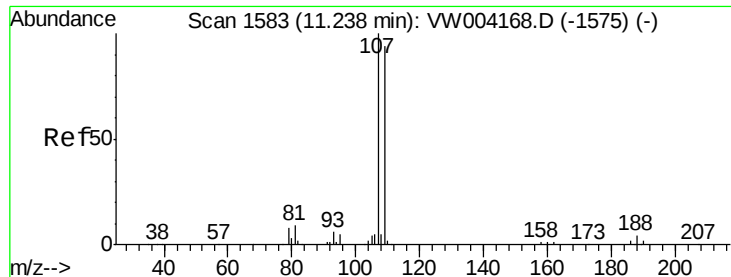
Tot Ion: 43 Resp: 209213
Ion Ratio Lower Upper
43 100
58 50.8 40.4 60.6
57 17.7 14.0 21.0
100 10.2 8.2 12.2



#50
Dibromochloromethane
Concen: 29.854 ug/L
RT: 11.13 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VW004188.D
Acq: 24 Jul 2018 20:40

Tgt Ion: 129 Resp: 124350
Ion Ratio Lower Upper
129 100
127 78.9 56.1 104.3

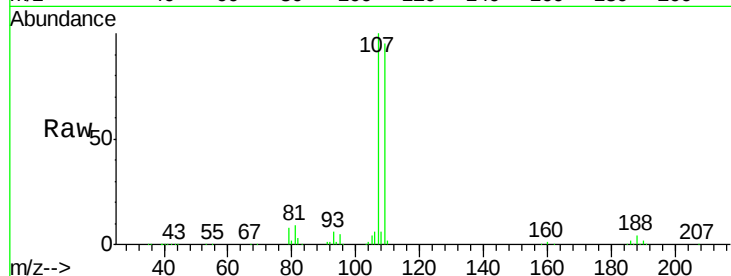




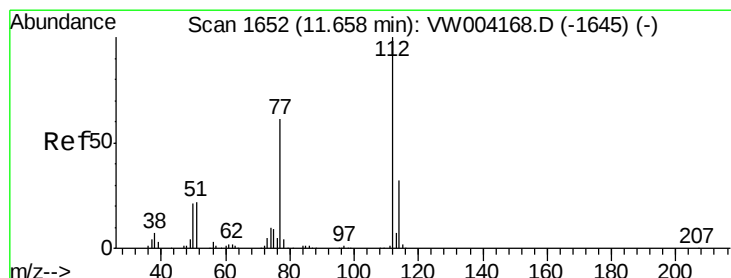
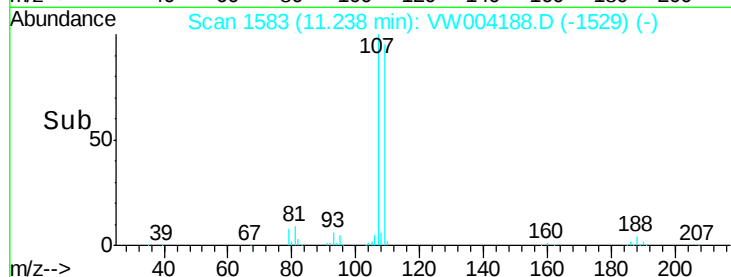
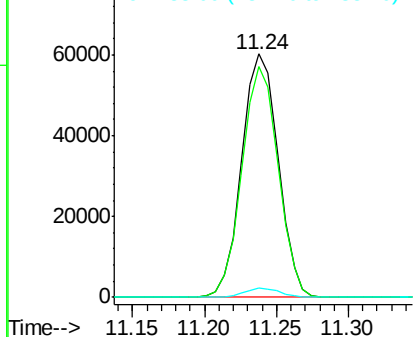
#51
1,2-Dibromoethane
Concen: 29.152 ug/L
RT: 11.24 min Scan# 1583
Delta R.T. 0.00 min
Lab File: VW004188.D
Acq: 24 Jul 2018 20:40

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	65.2	121.0
188	3.9	2.9	4.3

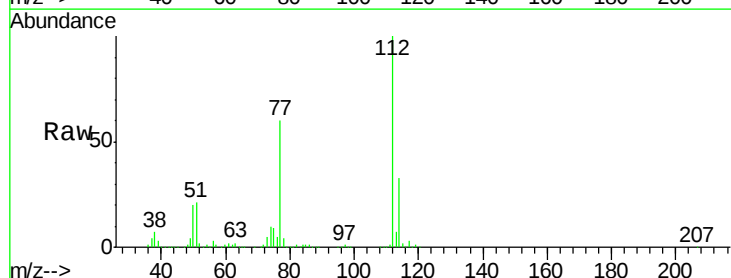


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

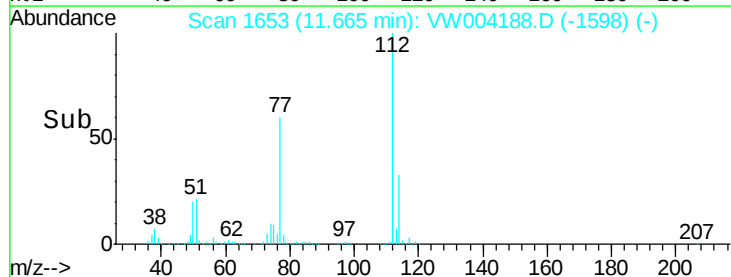
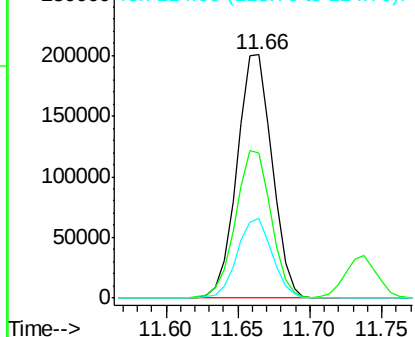


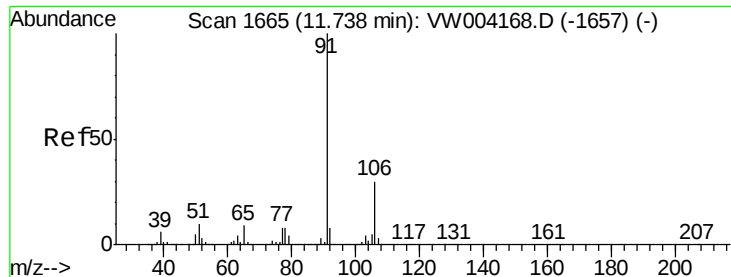
#52
Chlorobenzene
Concen: 28.697 ug/L
RT: 11.66 min Scan# 1653
Delta R.T. 0.01 min
Lab File: VW004188.D
Acq: 24 Jul 2018 20:40

Tgt Ion	Ratio	Lower	Upper
112	100		
77	59.7	47.7	71.5
114	32.7	22.2	41.2



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

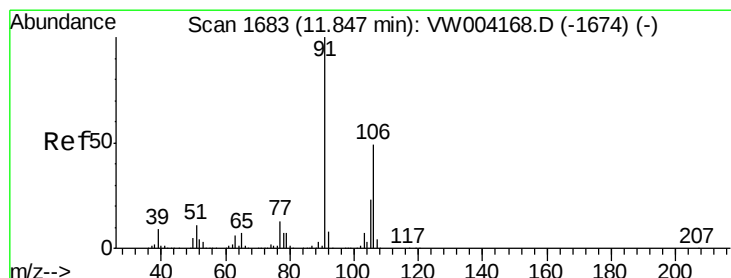
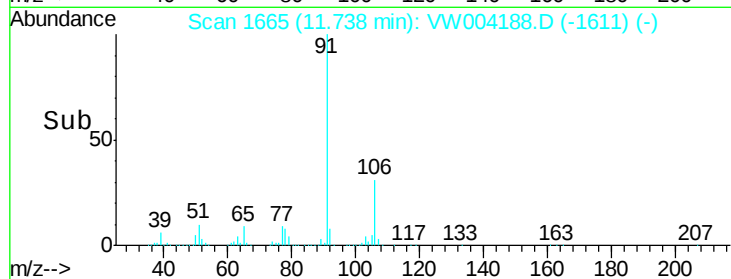
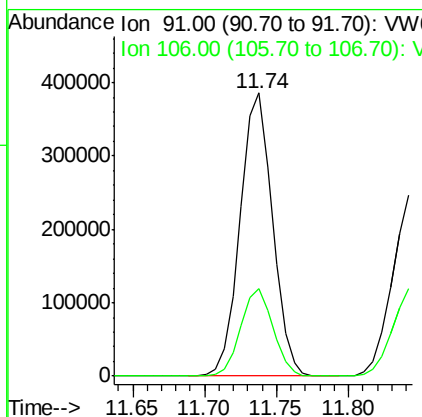
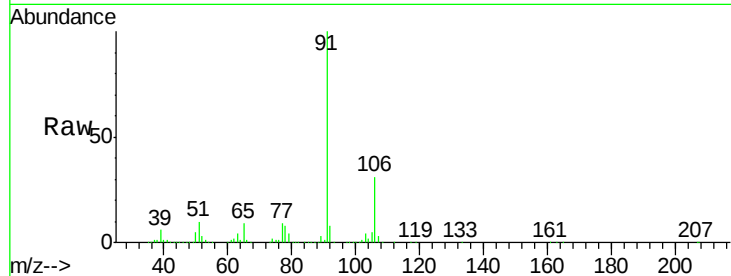




#53
Ethylbenzene
Concen: 30.076 ug/L
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW004188.D
Acq: 24 Jul 2018 20:40

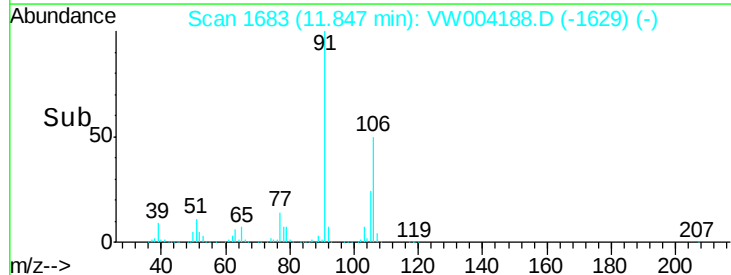
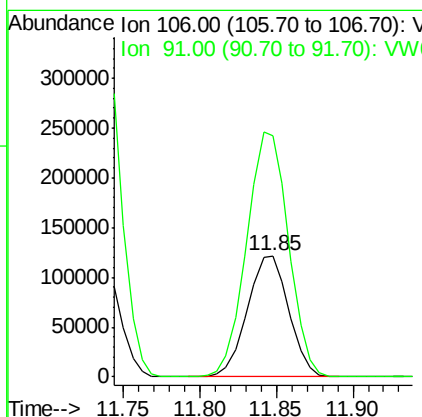
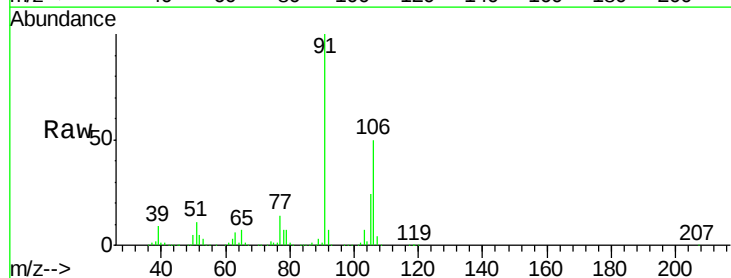
Instrument :
MSVOA_W
ClientSampled :

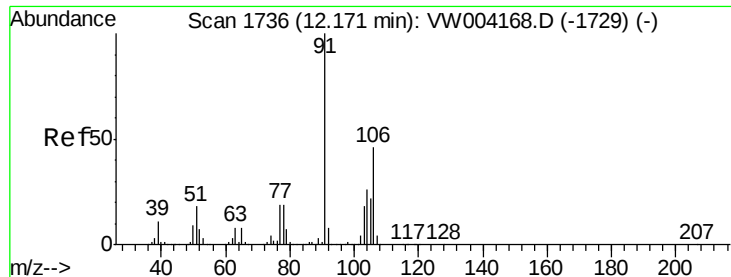
Tot Ion: 91 Resp: 602065
Ion Ratio Lower Upper
91 100
106 31.1 21.3 39.5



#54
m,p-Xylene
Concen: 30.968 ug/L
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW004188.D
Acq: 24 Jul 2018 20:40

Tgt Ion: 106 Resp: 228475
Ion Ratio Lower Upper
106 100
91 199.6 142.1 263.9

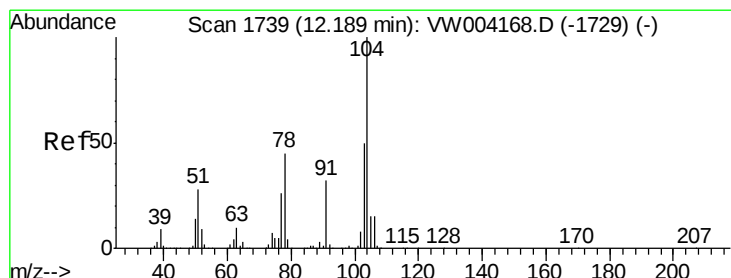
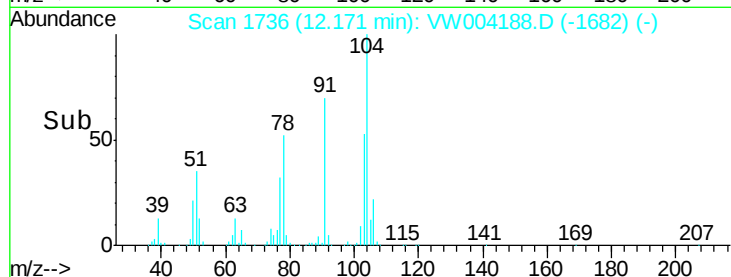
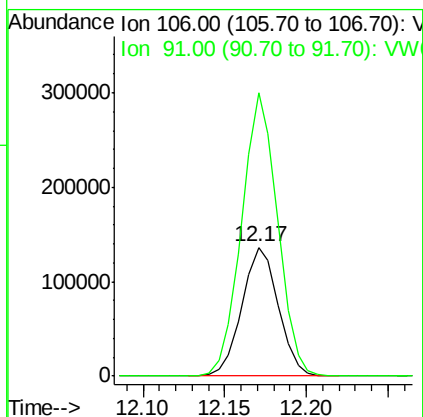
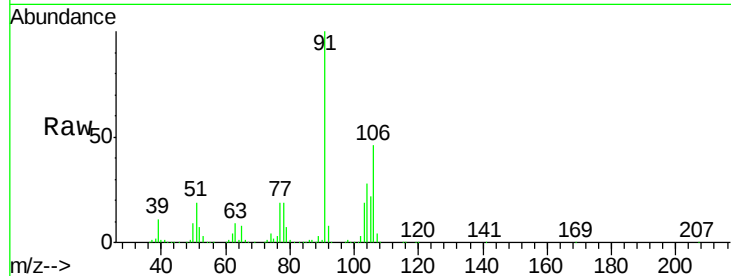




#55
o-xylene
Concen: 29.966 ug/L
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW004188.D
Acq: 24 Jul 2018 20:40

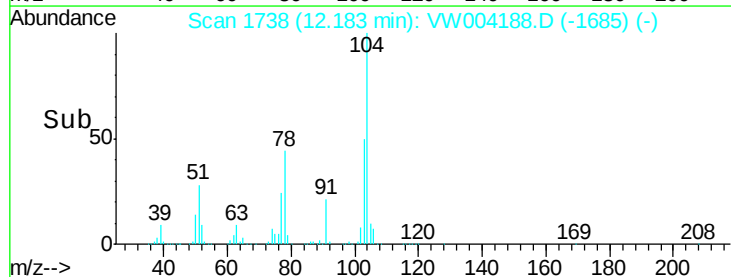
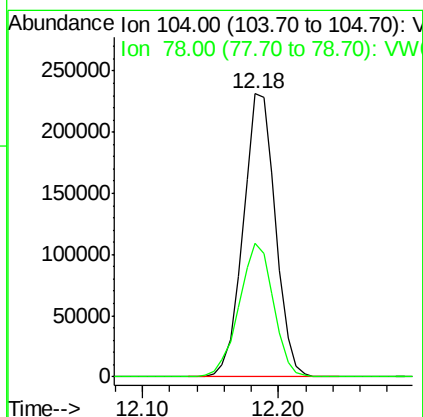
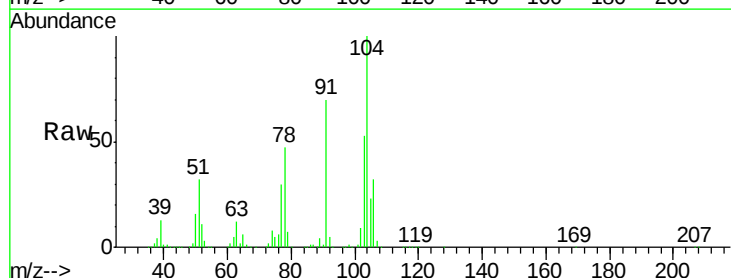
Instrument :
MSVOA_W
ClientSampled :

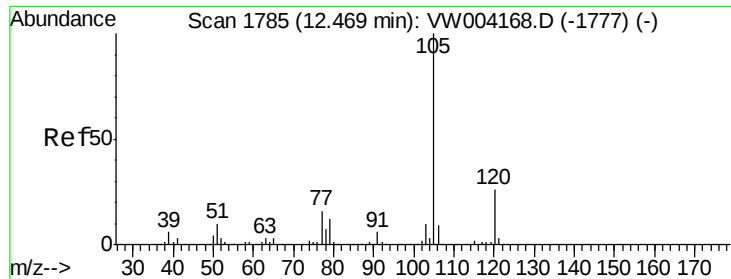
Tot Ion:106 Resp: 211464
Ion Ratio Lower Upper
106 100
91 219.2 151.3 280.9



#56
Styrene
Concen: 31.413 ug/L
RT: 12.18 min Scan# 1738
Delta R.T. -0.01 min
Lab File: VW004188.D
Acq: 24 Jul 2018 20:40

Tgt Ion:104 Resp: 382951
Ion Ratio Lower Upper
104 100
78 47.4 32.2 59.8





#57

Isopropylbenzene

Concen: 30.239 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004188.D

Acq: 24 Jul 2018 20:40

Instrument :

MSVOA_W

ClientSampled :

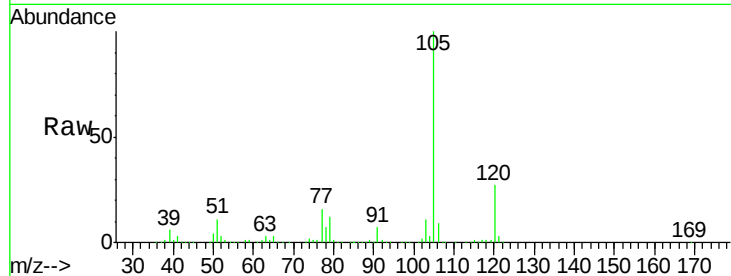
Tot Ion:105 Resp: 585057

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.4

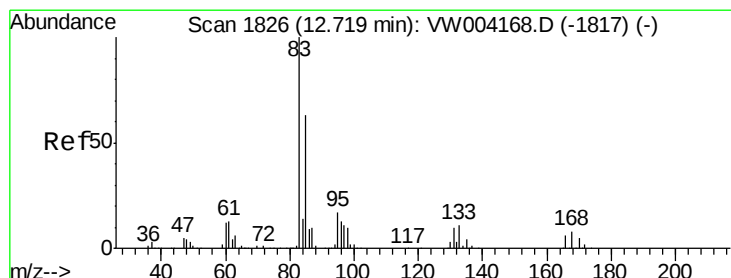
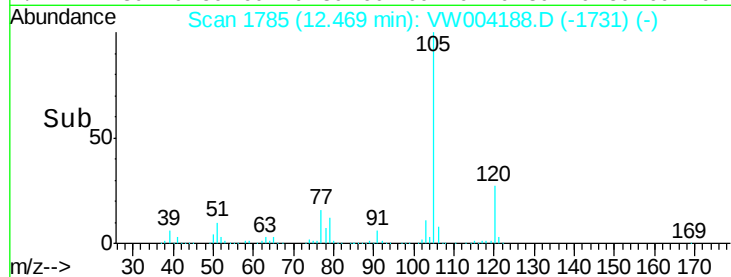
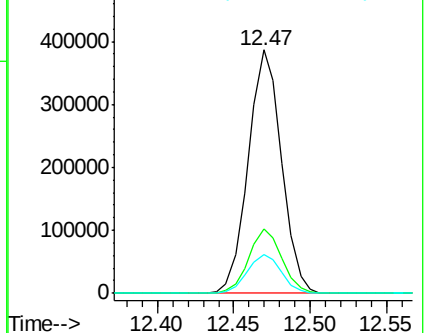
77 16.2 13.1 19.7



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: 29.948 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004188.D

Acq: 24 Jul 2018 20:40

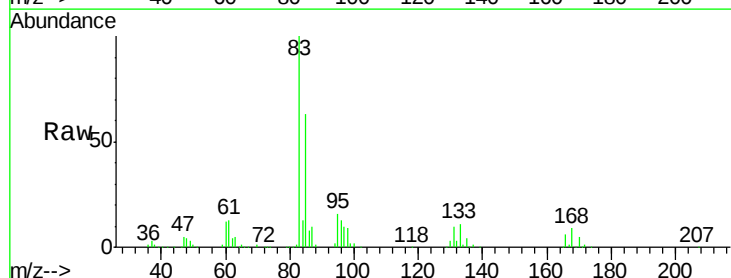
Tgt Ion: 83 Resp: 159166

Ion Ratio Lower Upper

83 100

85 63.4 44.7 83.1

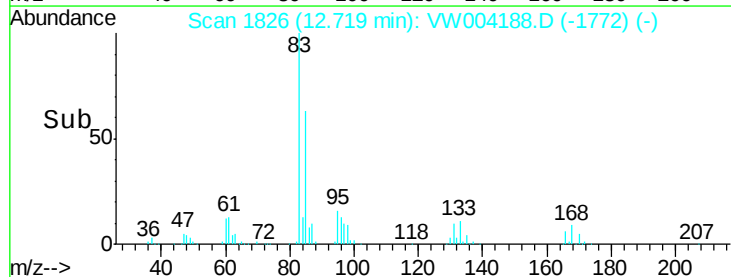
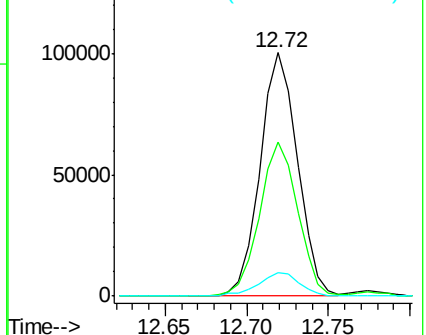
131 9.6 7.8 11.6

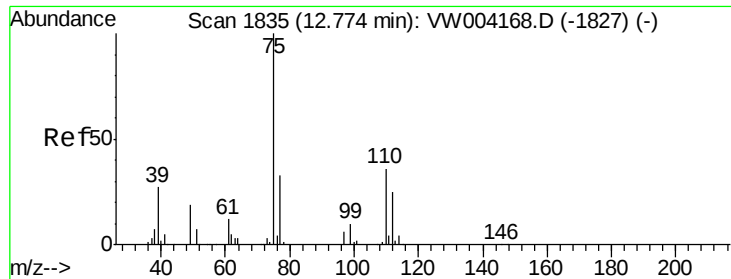


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 29.535 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW004188.D

Acq: 24 Jul 2018 20:40

Instrument :

MSVOA_W

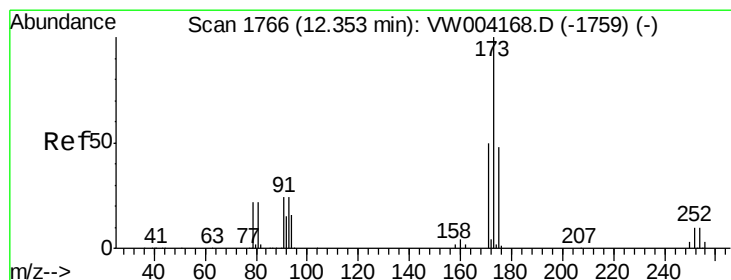
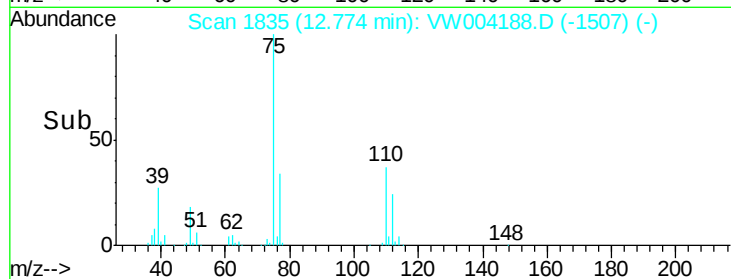
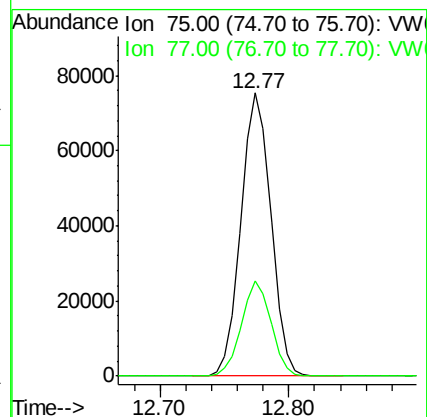
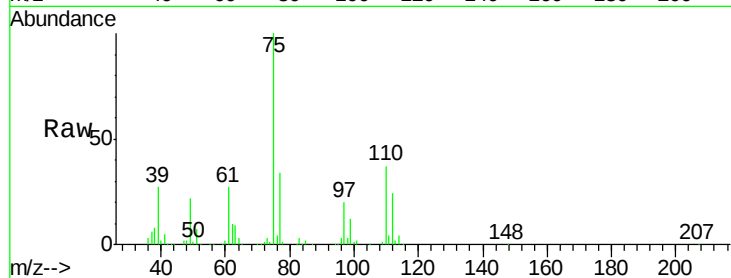
ClientSampleId :

Tot Ion: 75 Resp: 121509

Ion Ratio Lower Upper

75 100

77 33.2 25.4 38.0



#62

Bromoform

Concen: 29.175 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW004188.D

Acq: 24 Jul 2018 20:40

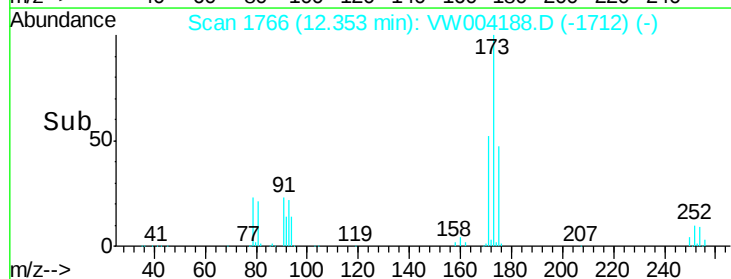
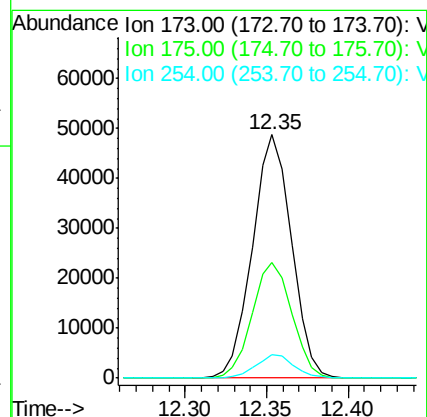
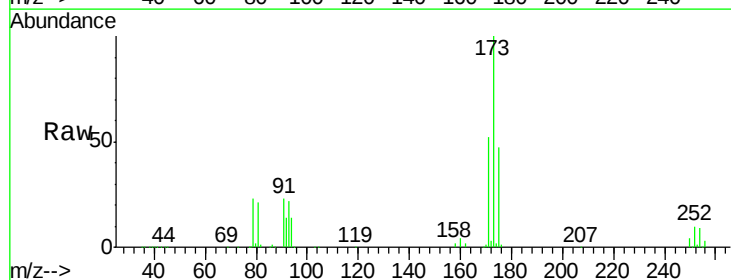
Tgt Ion: 173 Resp: 81664

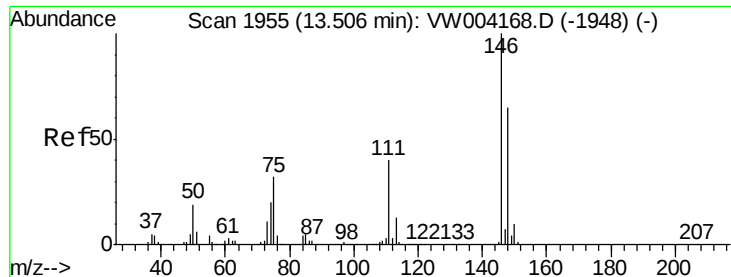
Ion Ratio Lower Upper

173 100

175 48.3 39.4 59.0

254 9.4 7.4 11.2





#63

1,3-Dichlorobenzene

Concen: 28.195 ug/L

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW004188.D

Acq: 24 Jul 2018 20:40

Instrument :

MSVOA_W

ClientSampleId :

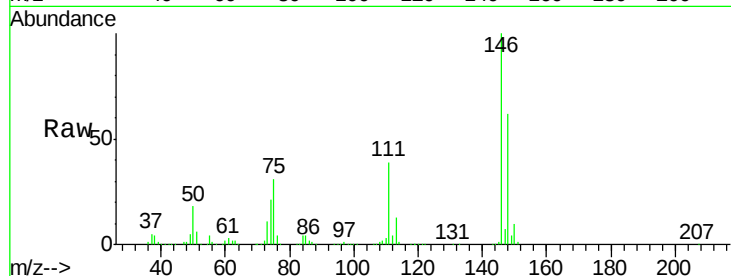
Tot Ion:146 Resp: 257565

Ion Ratio Lower Upper

146 100

111 39.3 27.9 51.7

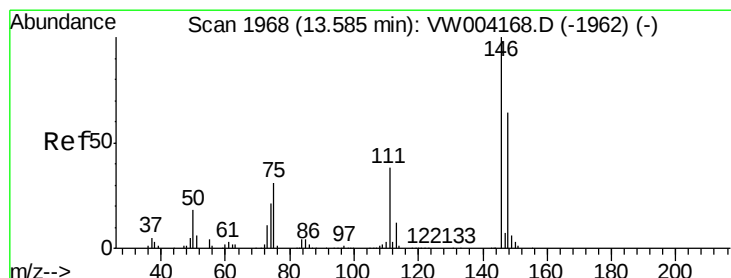
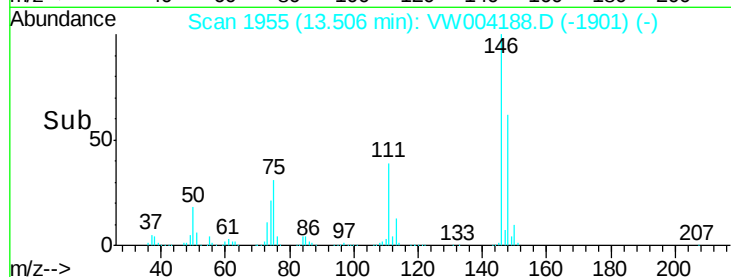
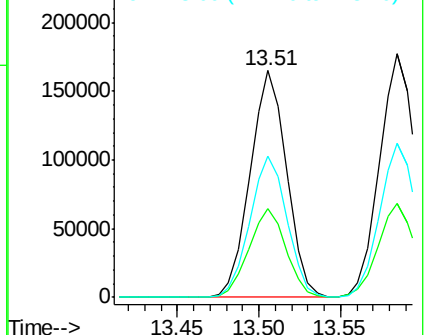
148 62.1 44.2 82.0



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



#64

1,4-Dichlorobenzene

Concen: 28.076 ug/L

RT: 13.58 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VW004188.D

Acq: 24 Jul 2018 20:40

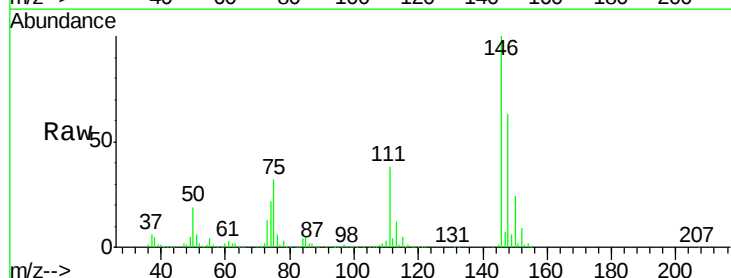
Tgt Ion:146 Resp: 275008

Ion Ratio Lower Upper

146 100

111 38.3 26.8 49.8

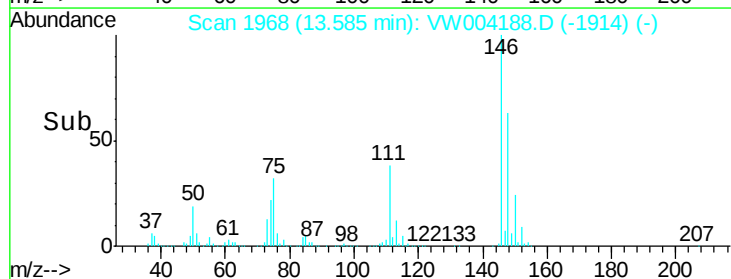
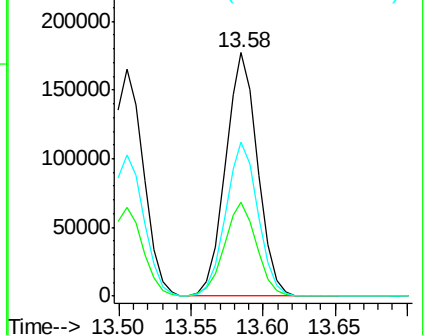
148 63.3 44.3 82.3

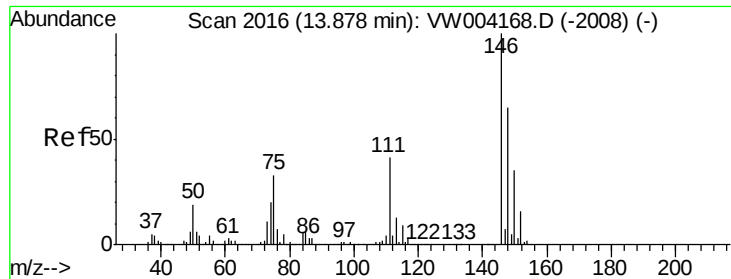


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

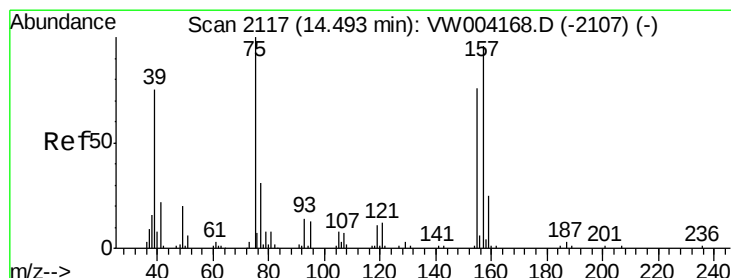
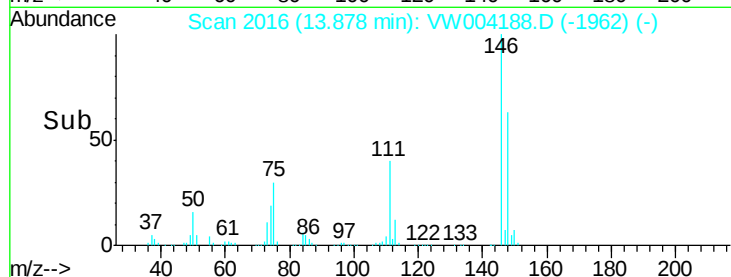
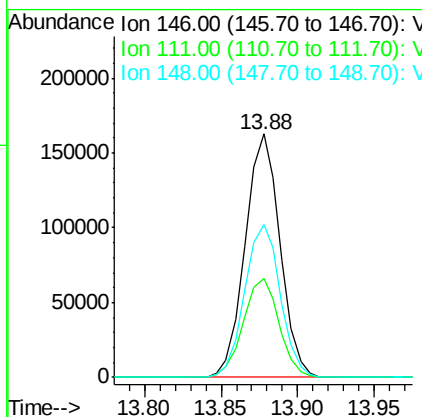
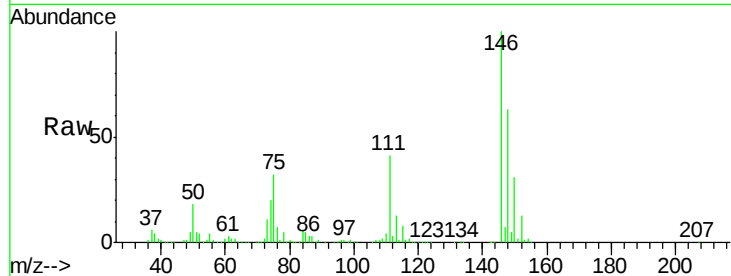




#65
 1,2-Dichlorobenzene
 Concen: 28.914 ug/L
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW004188.D
 Acq: 24 Jul 2018 20:40

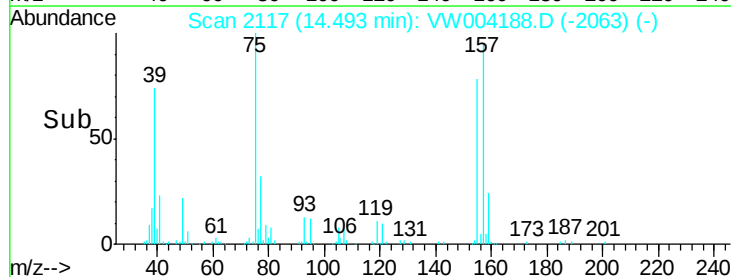
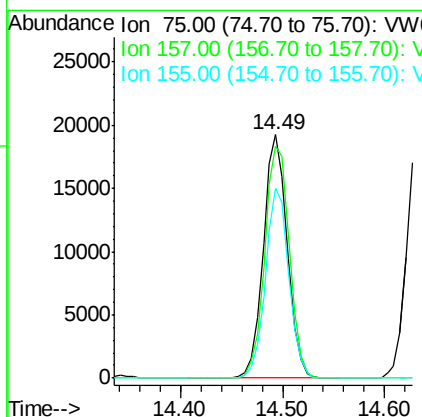
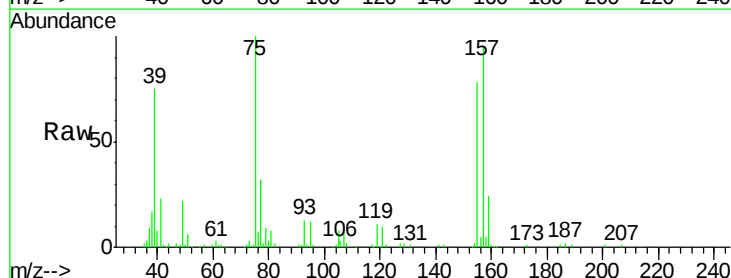
Instrument :
 MSVOA_W
 ClientSampleId :

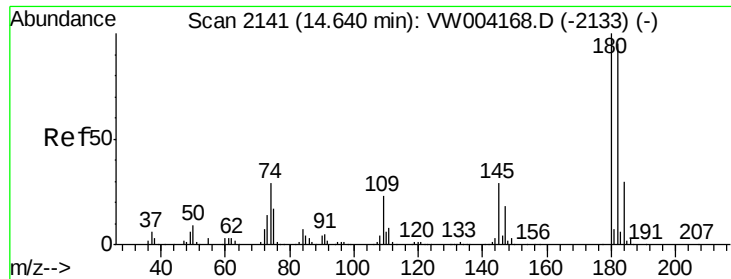
Tot Ion:146 Resp: 257405
 Ion Ratio Lower Upper
 146 100
 111 40.5 33.2 49.8
 148 63.0 51.0 76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 29.998 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW004188.D
 Acq: 24 Jul 2018 20:40

Tgt Ion: 75 Resp: 31135
 Ion Ratio Lower Upper
 75 100
 157 95.3 77.9 116.9
 155 77.9 61.8 92.8

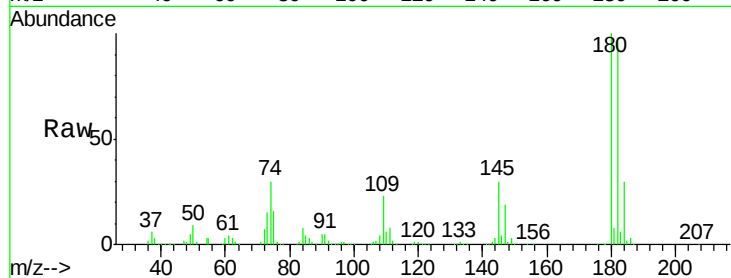




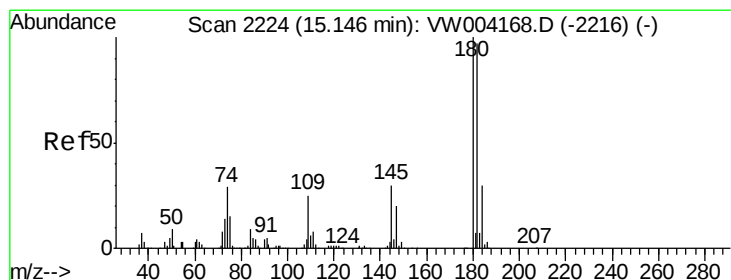
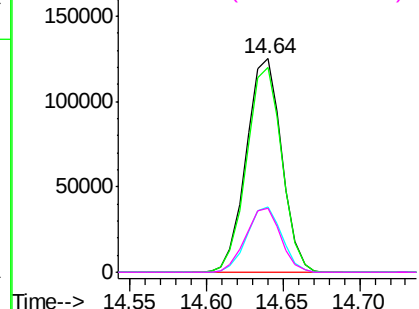
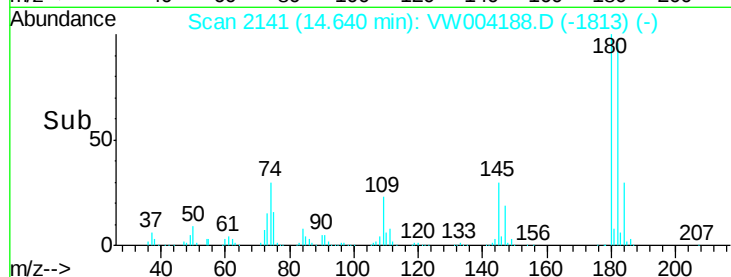
#67
 1,3,5-Trichlorobenzene
 Concen: 27.814 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VW004188.D
 Acq: 24 Jul 2018 20:40

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180	Resp:	200922
Ion	Ratio	Lower Upper
180	100	
182	95.7	75.5 113.3
184	30.0	24.0 36.0
145	29.8	23.3 34.9

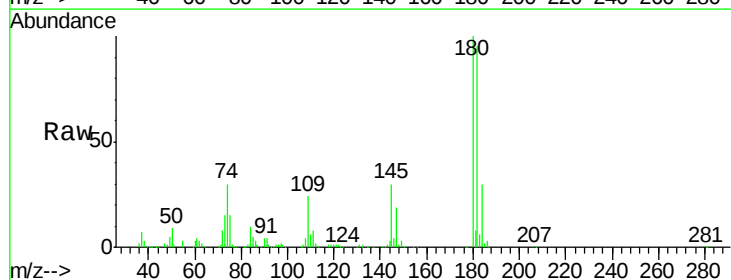


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

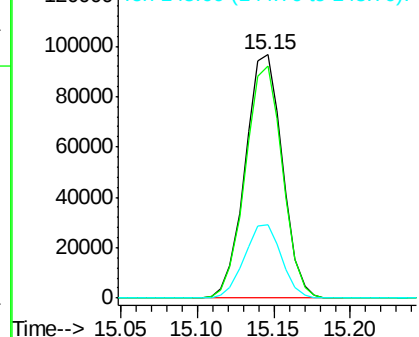
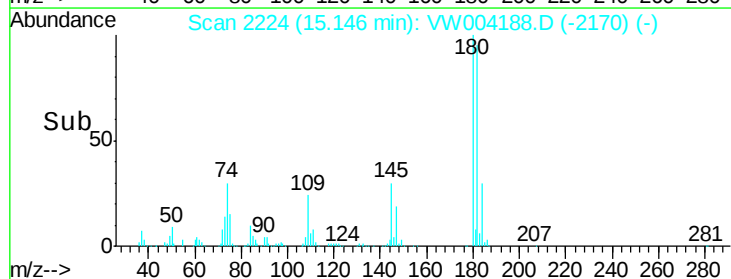


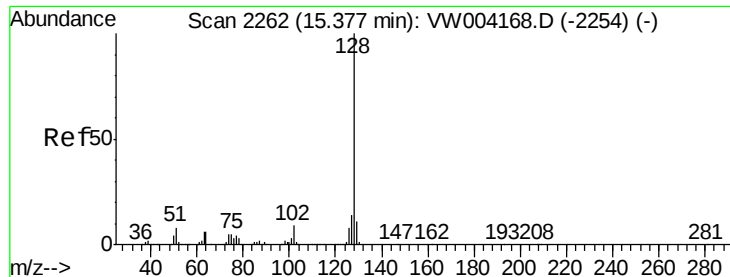
#68
 1,2,4-trichlorobenzene
 Concen: 28.114 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW004188.D
 Acq: 24 Jul 2018 20:40

Tgt Ion:180	Resp:	162864
Ion	Ratio	Lower Upper
180	100	
182	95.2	77.8 116.6
145	30.2	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: 31.480 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004188.D

Acq: 24 Jul 2018 20:40

Instrument :

MSVOA_W

ClientSampleId :

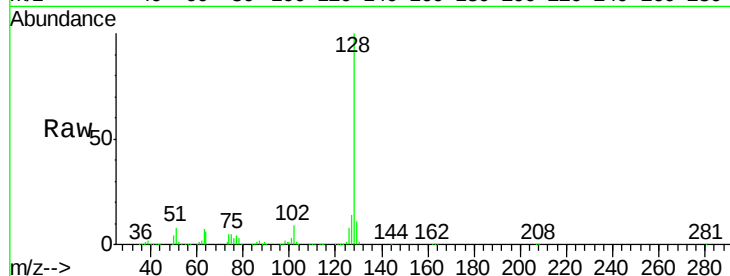
Tot Ion:128 Resp: 410600

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

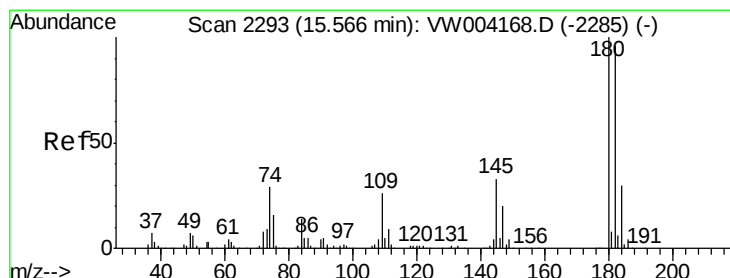
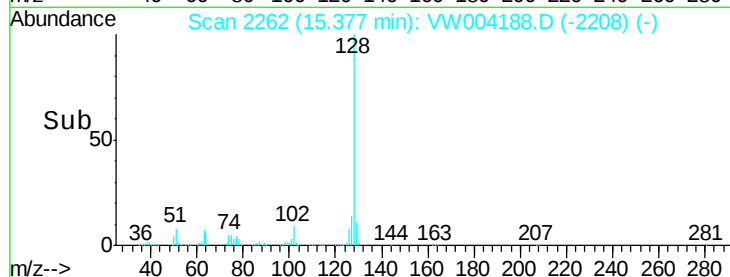
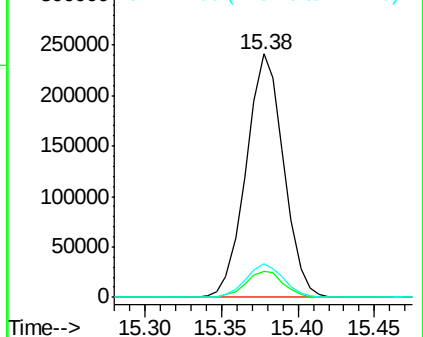
127 13.7 10.9 16.3



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



#70

1,2,3-Trichlorobenzene

Concen: 29.894 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW004188.D

Acq: 24 Jul 2018 20:40

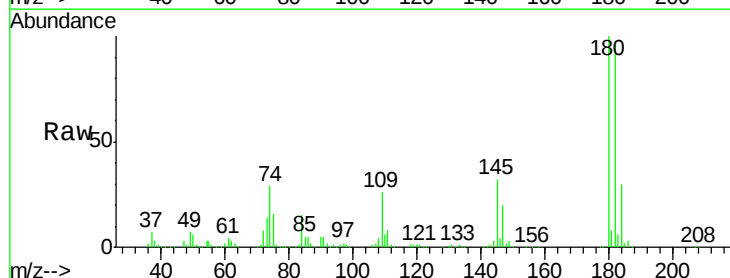
Tgt Ion:180 Resp: 164771

Ion Ratio Lower Upper

180 100

182 96.6 76.6 115.0

145 32.1 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

