

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081618\
 Data File : VW004688.D
 Acq On : 15 Aug 2018 09:44
 Operator : SY/AP
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 16 02:34:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081418S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 16 01:09:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	1181707	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1137881	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	585241	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	421382	22.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.72%
7) Chloroethane-d5	2.90	69	337442	23.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.96%
10) 1,1-Dichloroethene-d2	4.01	63	801439	23.33	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.32%
20) 2-Butanone-d5	7.09	46	238279	46.88	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.76%
24) Chloroform-d	7.65	84	751173	23.72	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.88%
26) 1,2-Dichloroethane-d4	8.31	65	395561	23.58	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.32%
29) Benzene-d6	8.28	84	1523509	23.87	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.48%
33) 1,2-Dichloropropane-d6	9.28	67	468243	23.62	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.48%
37) Toluene-d8	10.33	98	1385608	24.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.80%
38) trans-1,3-Dichloropropene-	10.58	79	200061	24.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.44%
39) 2-Hexanone-d5	10.93	63	198571	50.13	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.26%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	441463	23.74	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.96%
61) 1,2-Dichlorobenzene-d4	13.87	152	527965	23.78	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.12%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	360459	25.495	ug/L	99
3) Chloromethane	2.22	50	401594	23.948	ug/L	98
5) Vinyl chloride	2.37	62	605957	24.897	ug/L	99
6) Bromomethane	2.79	94	340583	24.415	ug/L	99
8) Chloroethane	2.93	64	335383	24.566	ug/L	97
9) Trichlorofluoromethane	3.26	101	288121	23.495	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	470055	26.081	ug/L	96
12) 1,1-Dichloroethene	4.03	96	438280	24.770	ug/L	98
13) Acetone	4.14	43	234094	50.198	ug/L	97
14) Carbon disulfide	4.37	76	1512277	24.514	ug/L	99
15) Methyl Acetate	4.68	43	242013	24.014	ug/L	100
16) Methylene chloride	4.91	84	499098	21.142	ug/L	98
17) Methyl tert-butyl Ether	5.43	73	610315	26.411	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	453313	24.949	ug/L	99
19) 1,1-Dichloroethane	6.21	63	806201	25.079	ug/L	98
21) 2-Butanone	7.18	43	312515	47.915	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	491959	25.665	ug/L	98

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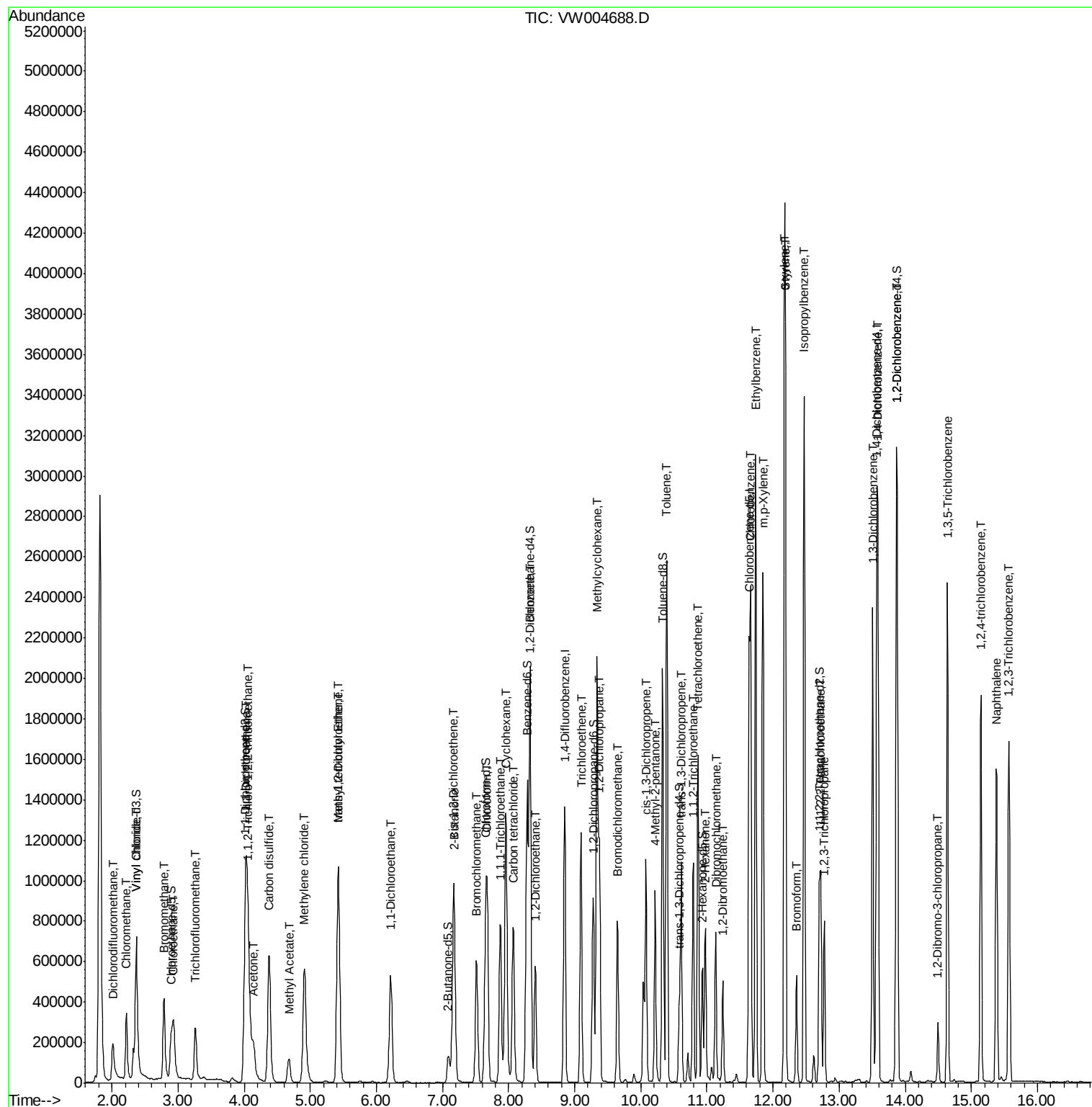
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	221797	24.806	ug/L	97
25) Chloroform	7.68	83	797166	24.920	ug/L	100
27) 1,2-Dichloroethane	8.40	62	511796	24.747	ug/L	99
30) Cyclohexane	7.96	56	806305	27.114	ug/L	98
31) 1,1,1-Trichloroethane	7.88	97	651809	25.605	ug/L	100
32) Carbon tetrachloride	8.07	117	611415	25.244	ug/L	100
34) Benzene	8.33	78	1833932	25.320	ug/L	100
35) Trichloroethene	9.09	95	456818	25.062	ug/L	99
36) Methylcyclohexane	9.34	83	909503	26.742	ug/L	99
40) 1,2-Dichloropropane	9.37	63	469910	25.568	ug/L	100
41) Bromodichloromethane	9.65	83	544250	25.345	ug/L	100
42) cis-1,3-Dichloropropene	10.08	75	685602	26.803	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	621304	51.055	ug/L	99
44) Toluene	10.39	91	1933172	26.358	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	601101	26.651	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	349342	25.149	ug/L	98
47) Tetrachloroethene	10.87	164	380704	25.175	ug/L	98
49) 2-Hexanone	10.98	43	468504	52.860	ug/L	99
50) Dibromochloromethane	11.13	129	399774	25.585	ug/L	97
51) 1,2-Dibromoethane	11.24	107	344788	25.747	ug/L	99
52) Chlorobenzene	11.66	112	1255685	25.642	ug/L	98
53) Ethylbenzene	11.74	91	2175353	26.626	ug/L	99
54) m,p-Xylene	11.85	106	834291	26.871	ug/L	98
55) o-xylene	12.17	106	794265	27.067	ug/L	99
56) Styrene	12.19	104	1386138	27.539	ug/L	100
57) Isopropylbenzene	12.47	105	2176926	27.392	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	475255	24.810	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	349328	24.770	ug/L	100
62) Bromoform	12.35	173	251940	25.046	ug/L	100
63) 1,3-Dichlorobenzene	13.51	146	979664	26.099	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	1020008	25.439	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	943428	25.482	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	75881	24.321	ug/L	97
67) 1,3,5-Trichlorobenzene	14.64	180	782584	25.917	ug/L	100
68) 1,2,4-trichlorobenzene	15.15	180	643684	26.313	ug/L	99
69) Naphthalene	15.38	128	1356297	26.938	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	613039	26.255	ug/L	100

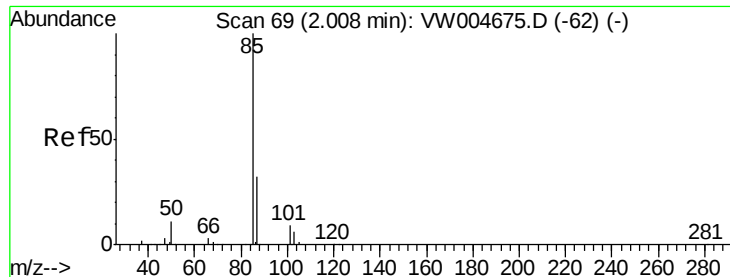
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 25.495 ug/L

RT: 2.01 min Scan# 70

Delta R.T. 0.01 min

Lab File: VW004688.D

Acq: 15 Aug 2018 09:44

Instrument :

MSVOA_W

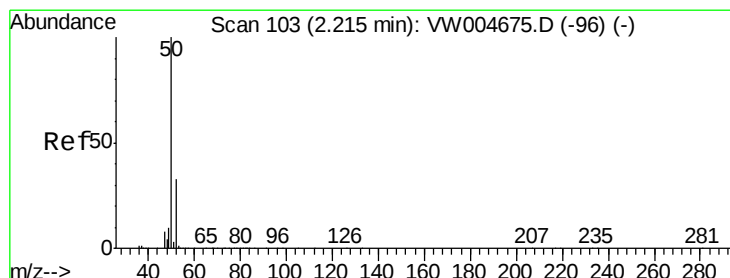
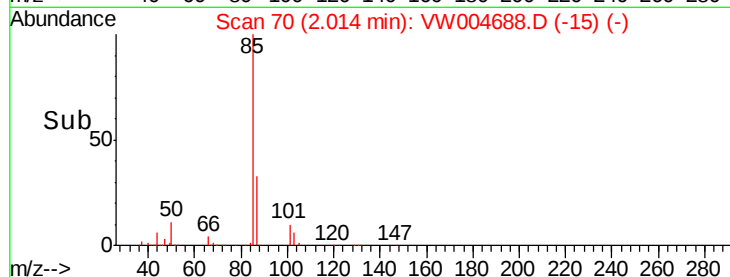
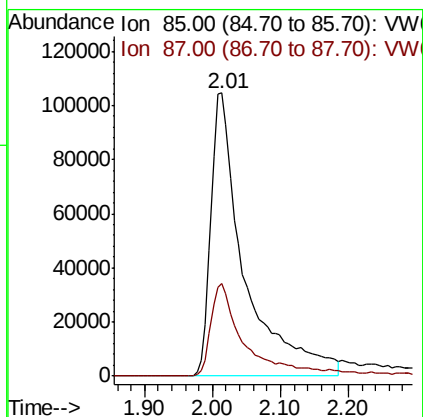
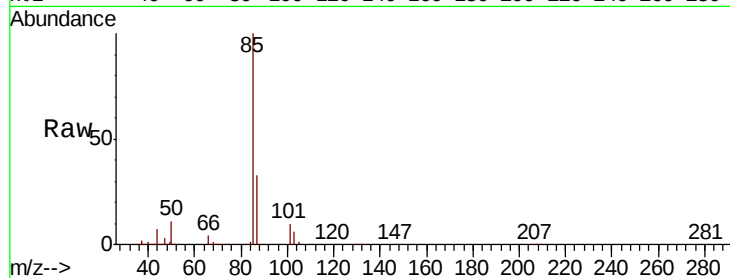
ClientSampleId :

Tot Ion: 85 Resp: 360459

Ion Ratio Lower Upper

85 100

87 27.7 19.9 37.0



#3

Chloromethane

Concen: 23.948 ug/L

RT: 2.22 min Scan# 103

Delta R.T. -0.00 min

Lab File: VW004688.D

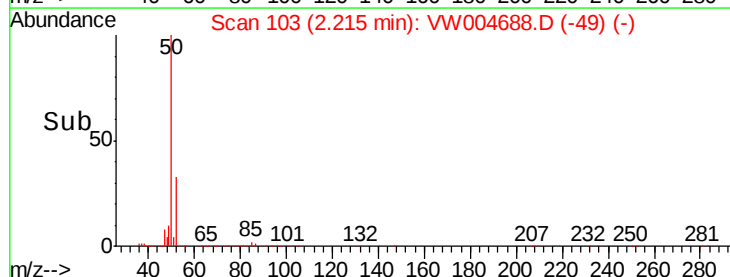
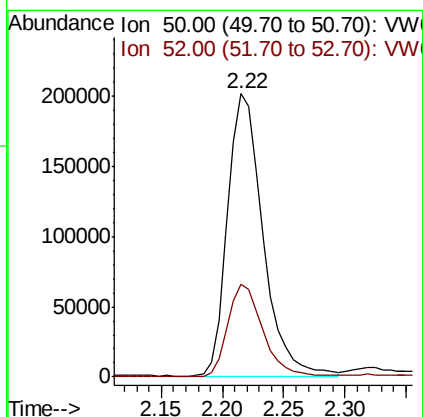
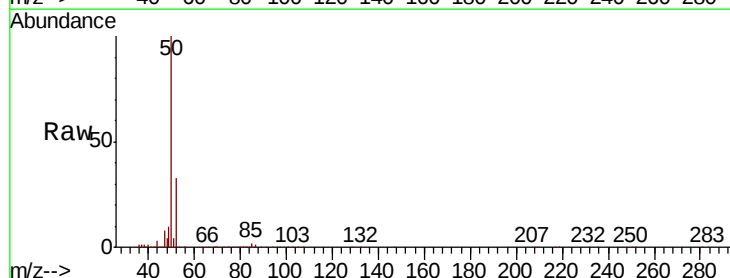
Acq: 15 Aug 2018 09:44

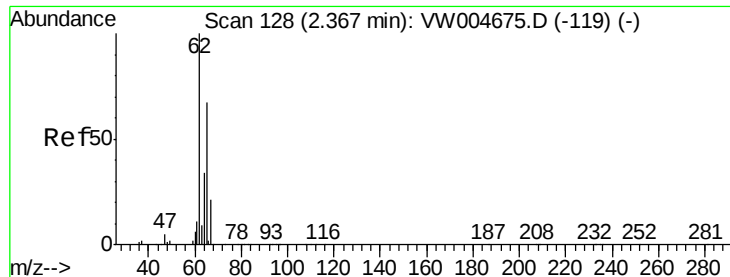
Tgt Ion: 50 Resp: 401594

Ion Ratio Lower Upper

50 100

52 32.9 22.4 41.6





#5

Vinyl chloride

Concen: 24.897 ug/L

RT: 2.37 min Scan# 128

Delta R.T. -0.01 min

Lab File: VW004688.D

Acq: 15 Aug 2018 09:44

Instrument :

MSVOA_W

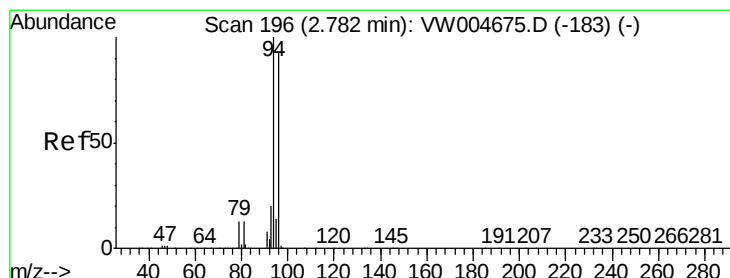
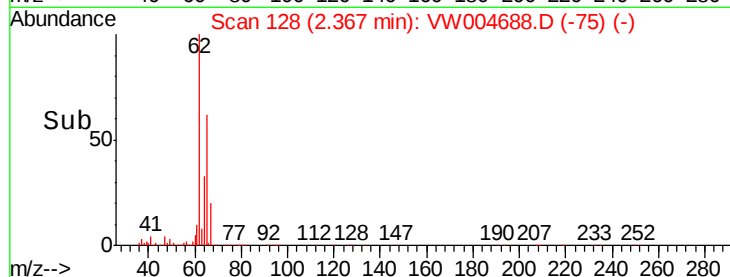
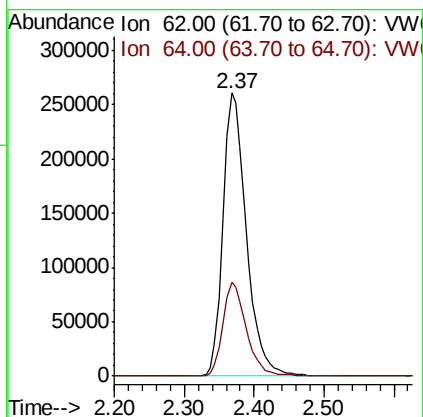
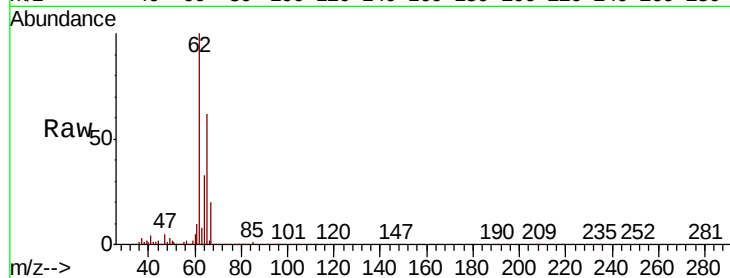
ClientSampled :

Tot Ion: 62 Resp: 605957

Ion Ratio Lower Upper

62 100

64 33.2 23.7 43.9



#6

Bromomethane

Concen: 24.415 ug/L

RT: 2.79 min Scan# 197

Delta R.T. -0.00 min

Lab File: VW004688.D

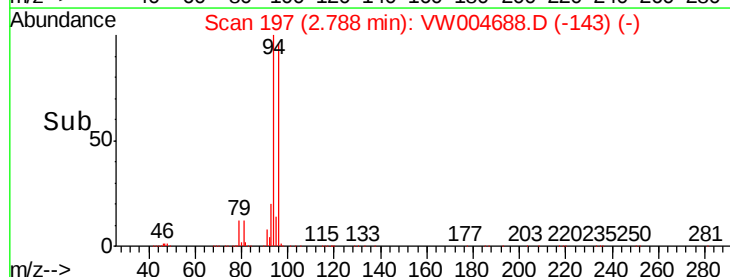
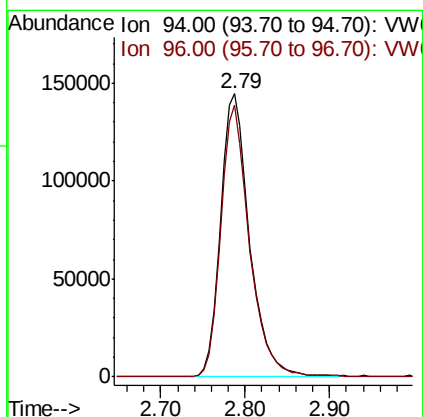
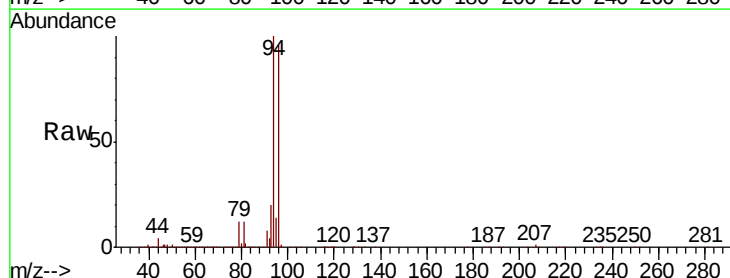
Acq: 15 Aug 2018 09:44

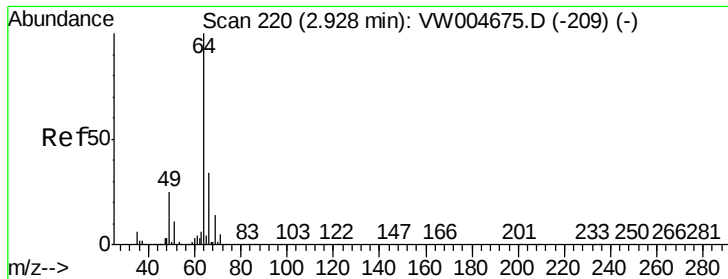
Tgt Ion: 94 Resp: 340583

Ion Ratio Lower Upper

94 100

96 94.1 9.3 177.7





#8

Chloroethane

Concen: 24.566 ug/L

RT: 2.93 min Scan# 220

Delta R.T. -0.00 min

Lab File: VW004688.D

Acq: 15 Aug 2018 09:44

Instrument :

MSVOA_W

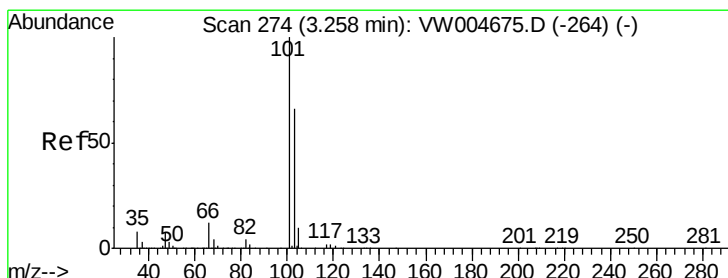
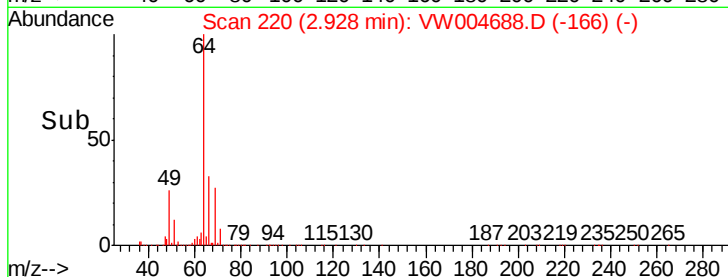
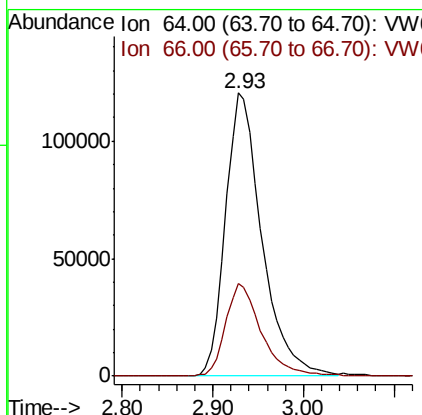
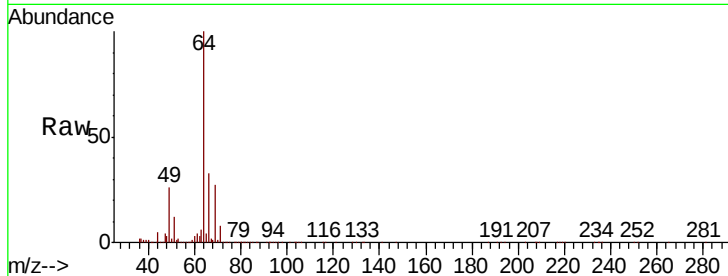
ClientSampled :

Tot Ion: 64 Resp: 335383

Ion Ratio Lower Upper

64 100

66 32.9 24.2 45.0



#9

Trichlorofluoromethane

Concen: 23.495 ug/L

RT: 3.26 min Scan# 274

Delta R.T. -0.00 min

Lab File: VW004688.D

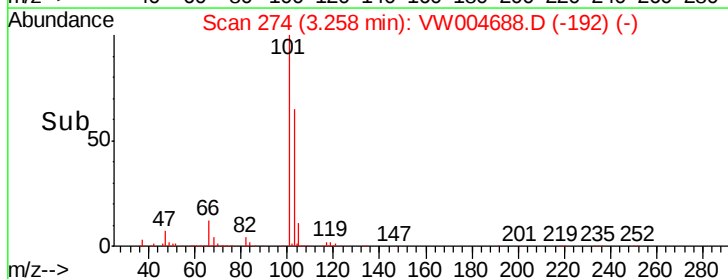
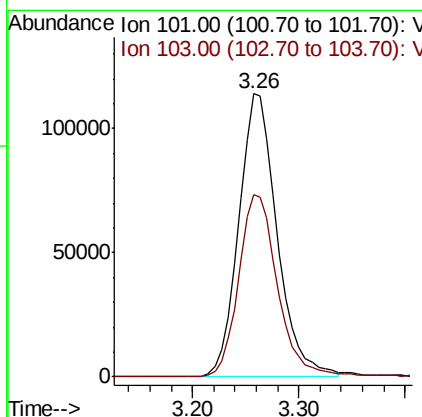
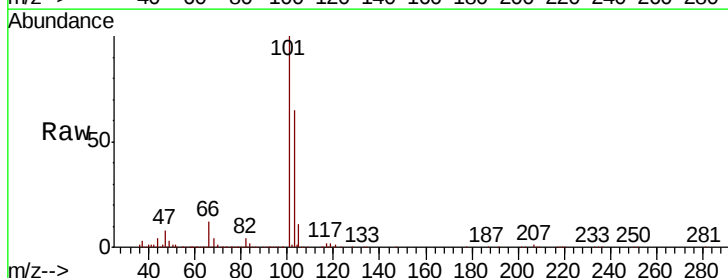
Acq: 15 Aug 2018 09:44

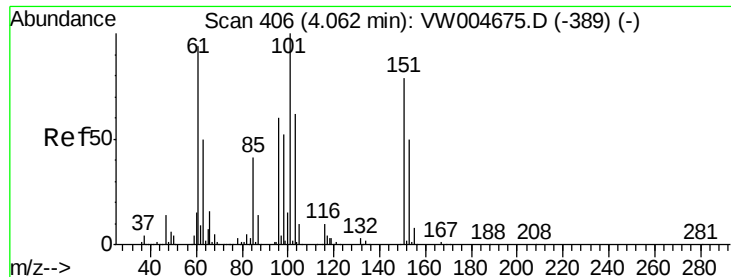
Tgt Ion: 101 Resp: 288121

Ion Ratio Lower Upper

101 100

103 65.1 45.1 83.7





#11

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

Concen: 26.081 ug/L

RT: 4.06 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW004688.D

Acq: 15 Aug 2018 09:44

Instrument :

MSVOA_W

ClientSampled :

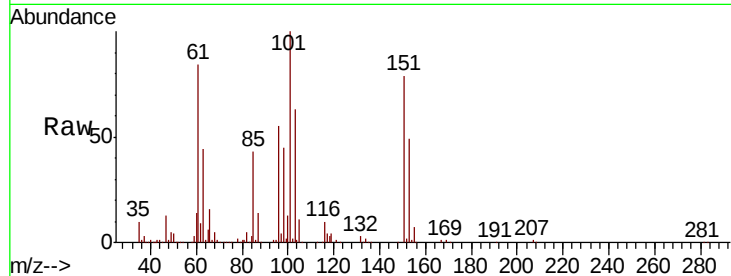
Tot Ion:101 Resp: 470055

Ion Ratio Lower Upper

101 100

85 40.9 33.2 49.8

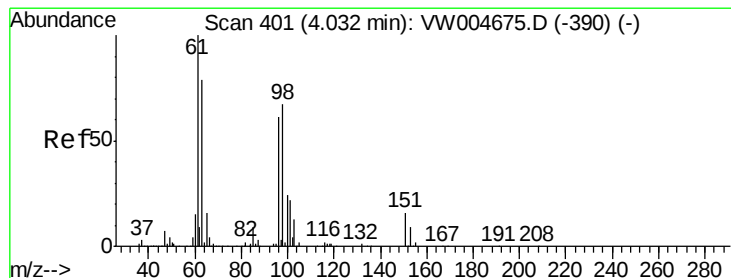
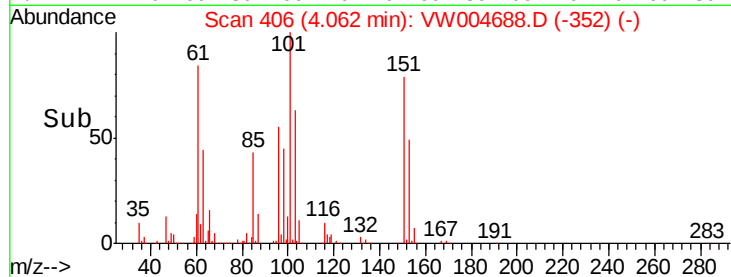
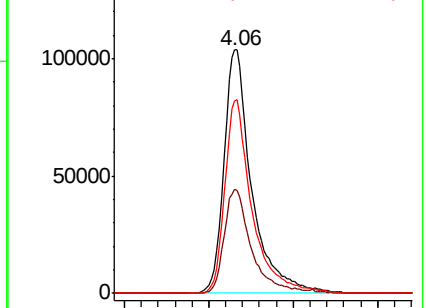
151 74.5 63.0 94.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 24.770 ug/L

RT: 4.03 min Scan# 401

Delta R.T. -0.01 min

Lab File: VW004688.D

Acq: 15 Aug 2018 09:44

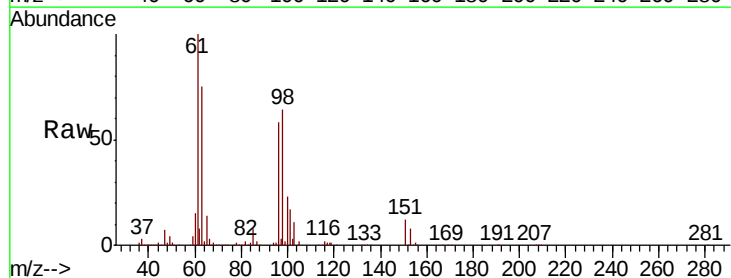
Tgt Ion: 96 Resp: 438280

Ion Ratio Lower Upper

96 100

61 172.2 118.9 220.7

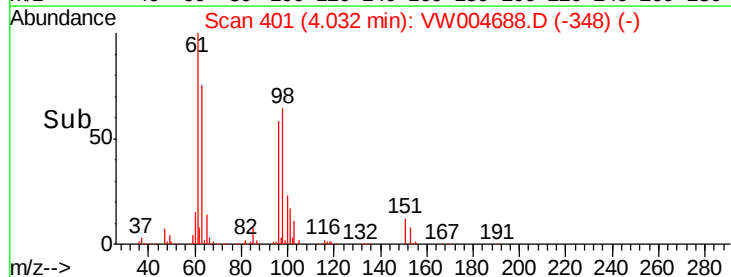
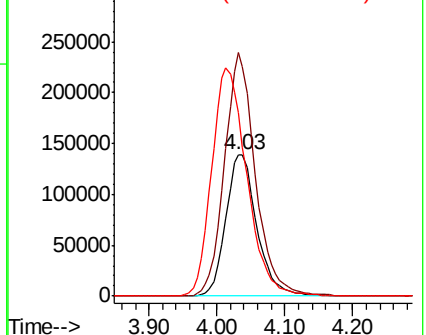
63 129.6 88.9 165.1

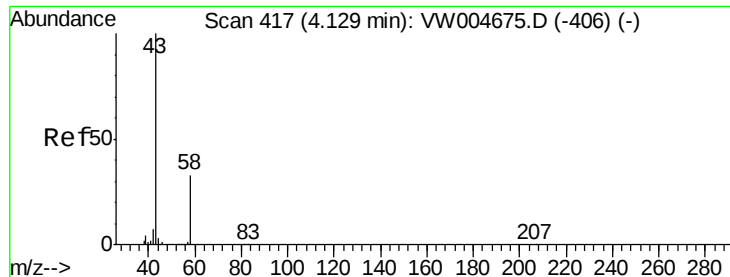


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 50.198 ug/L

RT: 4.14 min Scan# 419

Delta R.T. 0.01 min

Lab File: VW004688.D

Acq: 15 Aug 2018 09:44

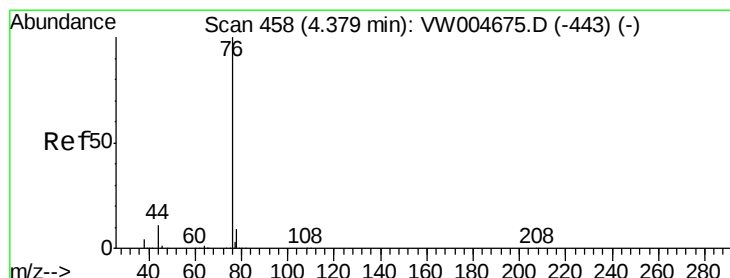
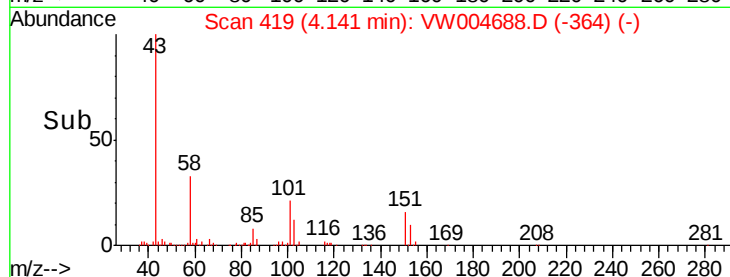
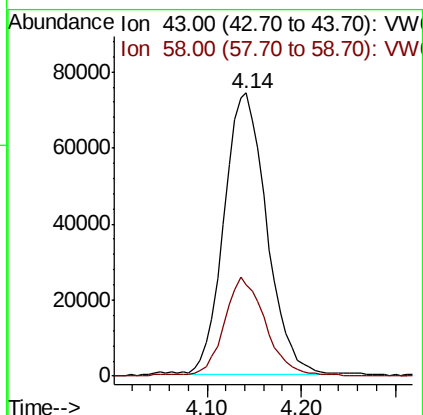
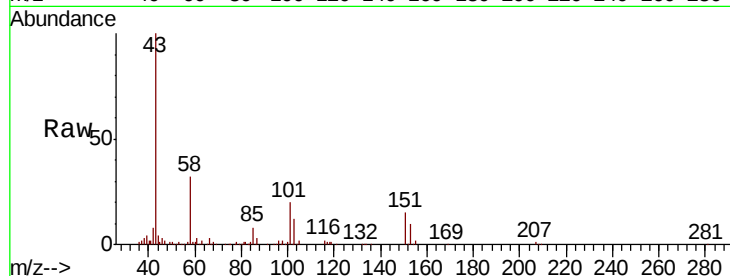
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 234094

Ion Ratio Lower Upper

43 100

58 32.8 0.0 69.4



#14

Carbon disulfide

Concen: 24.514 ug/L

RT: 4.37 min Scan# 457

Delta R.T. -0.01 min

Lab File: VW004688.D

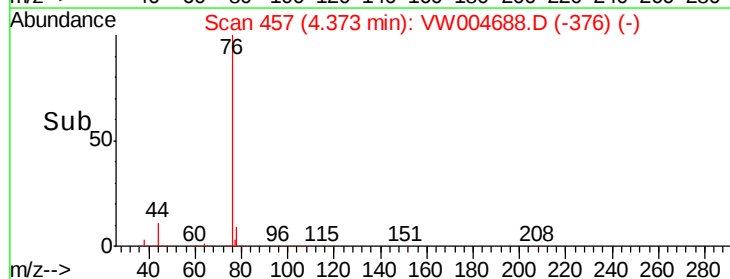
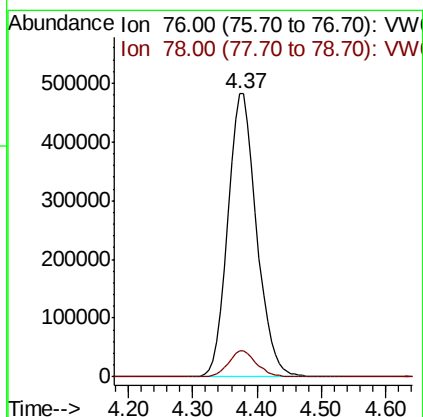
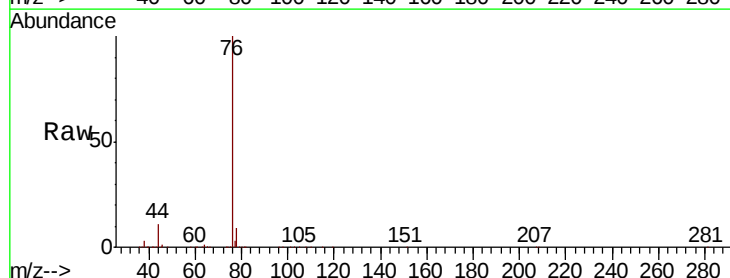
Acq: 15 Aug 2018 09:44

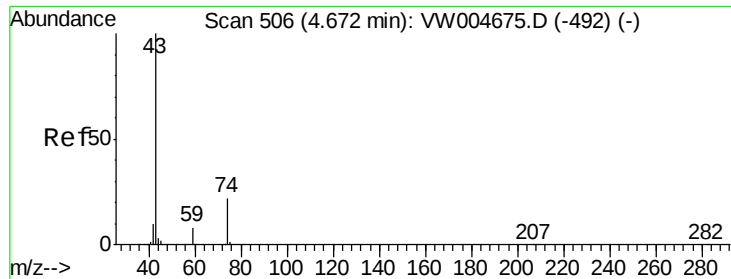
Tgt Ion: 76 Resp: 1512277

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2

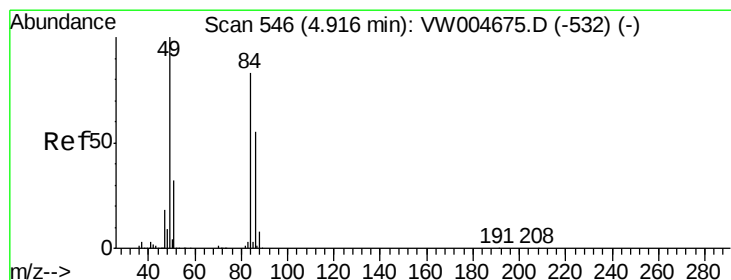
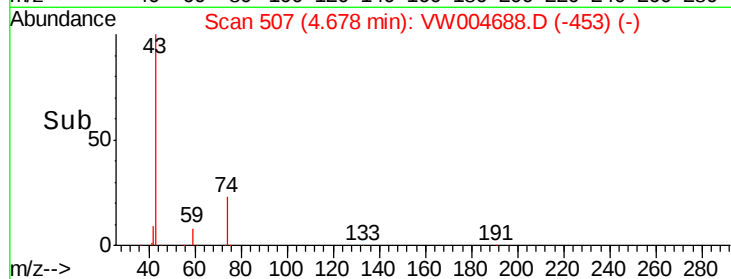
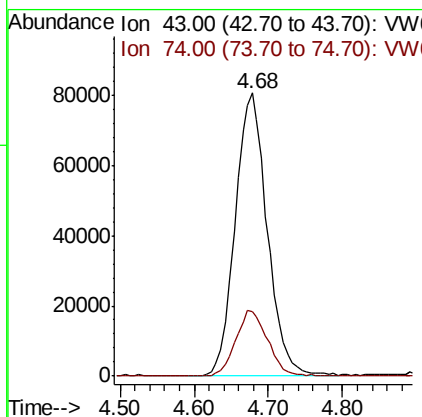
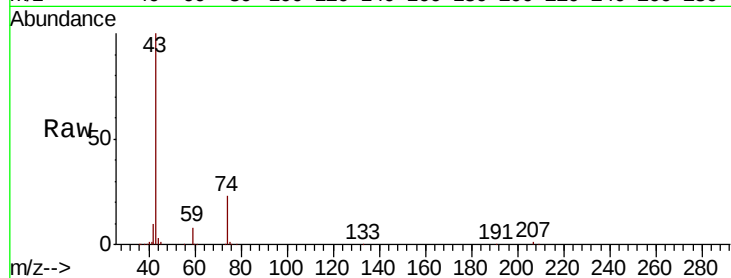




#15
Methyl Acetate
Concen: 24.014 ug/L
RT: 4.68 min Scan# 507
Delta R.T. -0.00 min
Lab File: VW004688.D
Acq: 15 Aug 2018 09:44

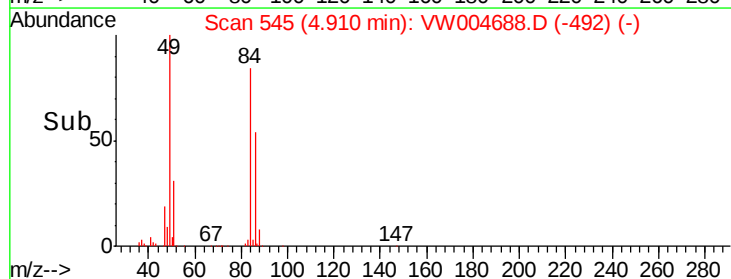
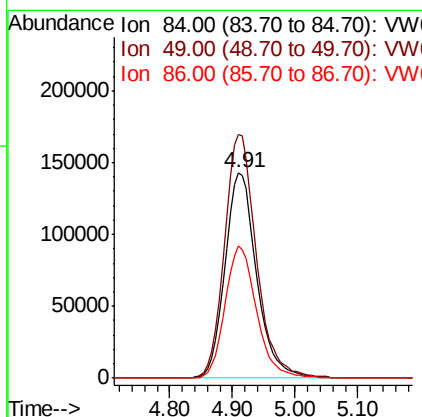
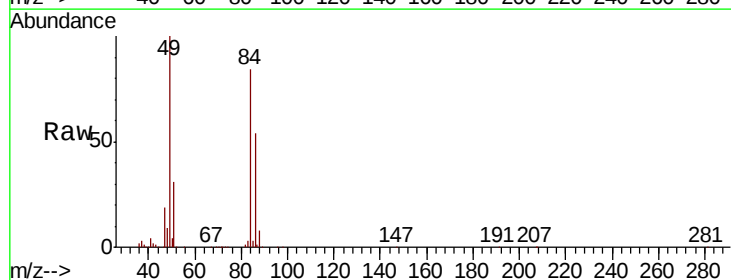
Instrument :
MSVOA_W
ClientSampled :

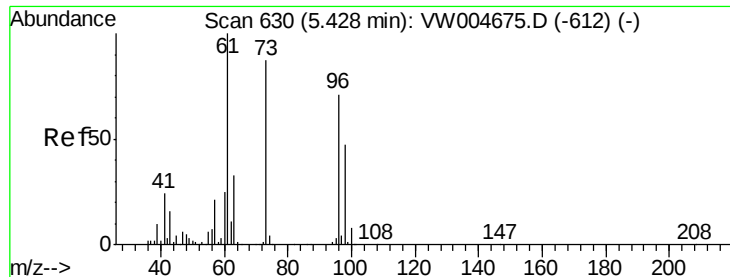
Tot Ion: 43 Resp: 242013
Ion Ratio Lower Upper
43 100
74 23.3 18.8 28.2



#16
Methylene chloride
Concen: 21.142 ug/L
RT: 4.91 min Scan# 545
Delta R.T. -0.01 min
Lab File: VW004688.D
Acq: 15 Aug 2018 09:44

Tgt Ion: 84 Resp: 499098
Ion Ratio Lower Upper
84 100
49 118.5 84.9 157.7
86 64.5 45.7 84.9

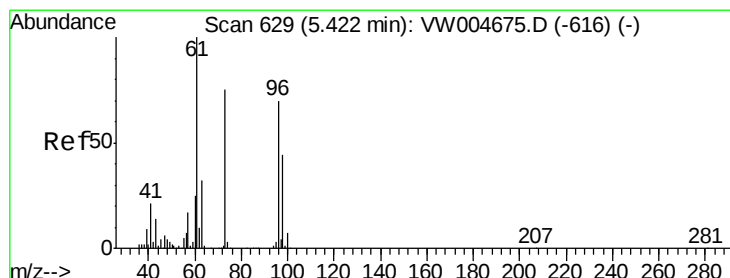
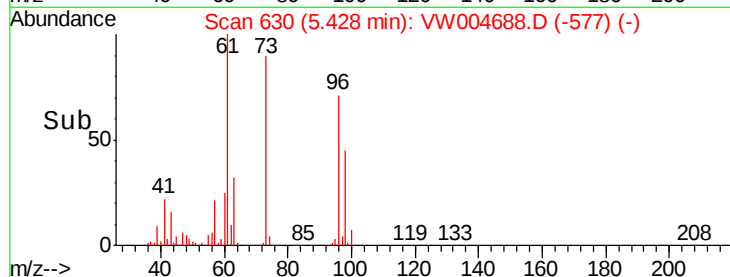
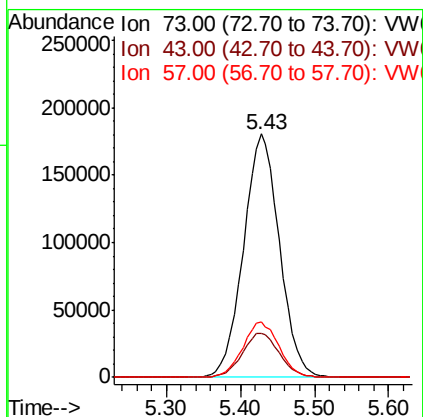
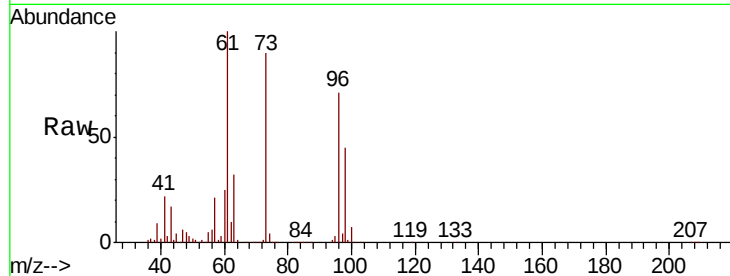




#17
Methvl tert-butvl Ether
Concen: 26.411 ug/L
RT: 5.43 min Scan# 630
Delta R.T. -0.01 min
Lab File: VW004688.D
Acq: 15 Aug 2018 09:44

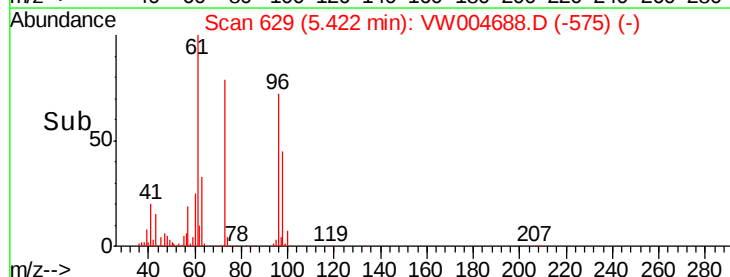
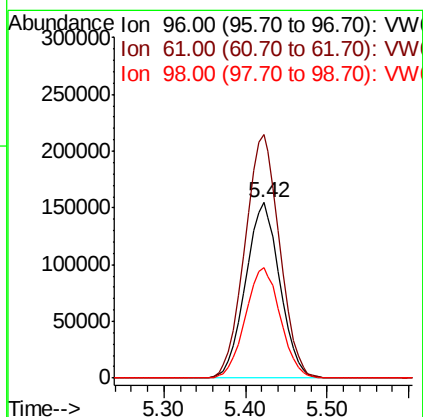
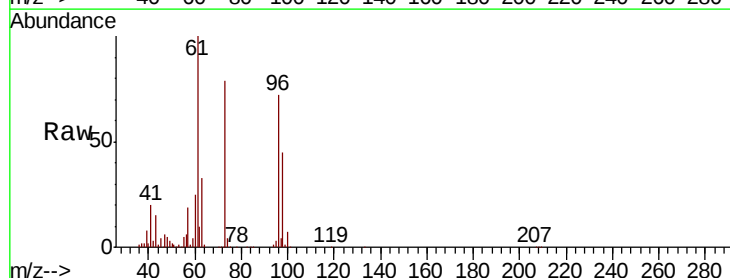
Instrument :
MSVOA_W
ClientSampleId :

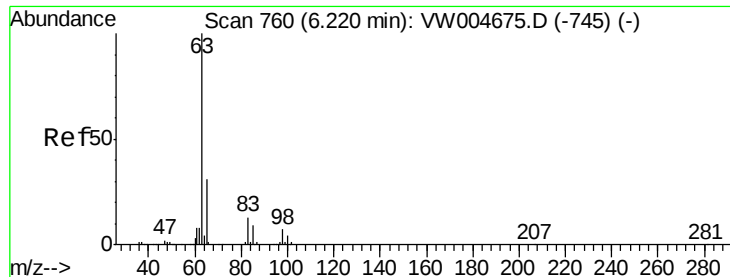
Tot Ion: 73 Resp: 610315
Ion Ratio Lower Upper
73 100
43 18.7 15.0 22.6
57 22.9 18.6 27.8



#18
trans-1,2-Dichloroethene
Concen: 24.949 ug/L
RT: 5.42 min Scan# 629
Delta R.T. -0.00 min
Lab File: VW004688.D
Acq: 15 Aug 2018 09:44

Tgt Ion: 96 Resp: 453313
Ion Ratio Lower Upper
96 100
61 138.6 96.1 178.5
98 62.7 43.3 80.5

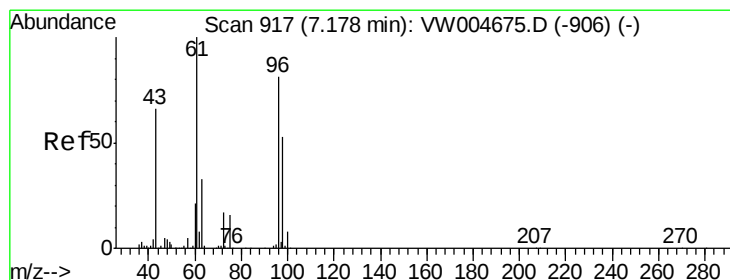
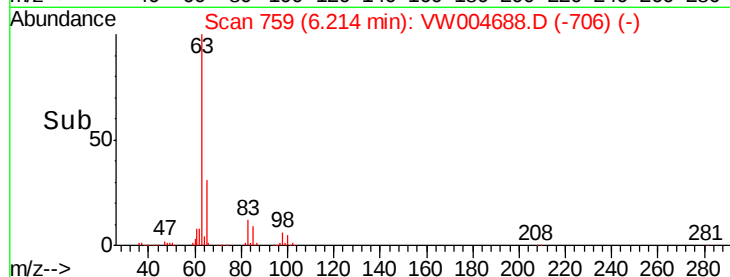
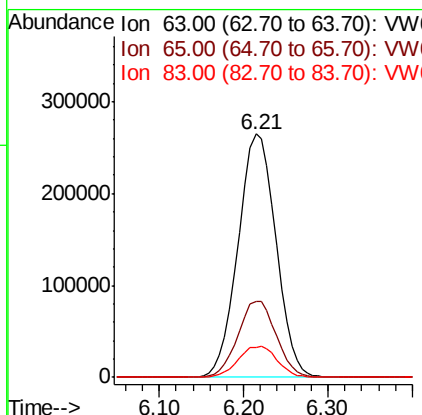
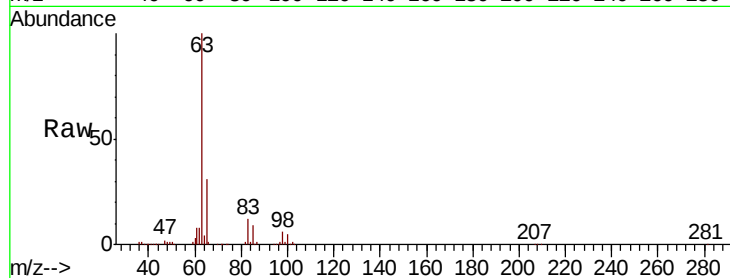




#19
 1,1-Dichloroethane
 Concen: 25.079 ug/L
 RT: 6.21 min Scan# 759
 Delta R.T. -0.01 min
 Lab File: VW004688.D
 Acq: 15 Aug 2018 09:44

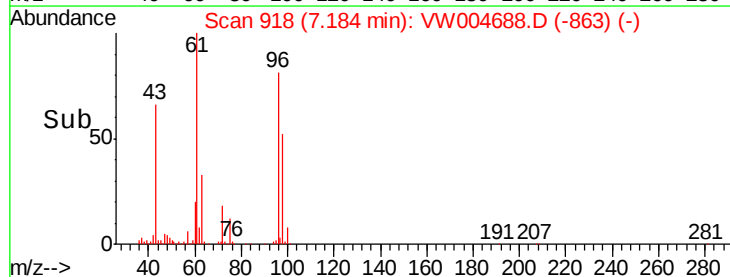
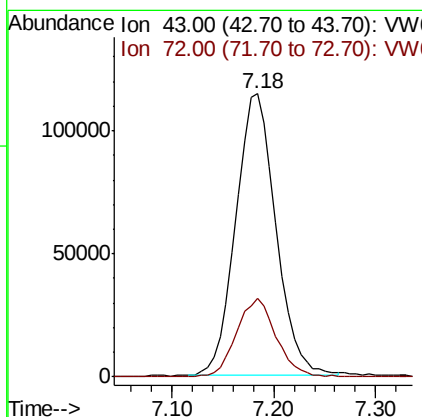
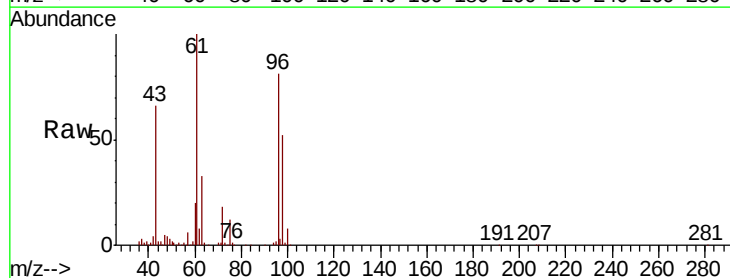
Instrument :
 MSVOA_W
 ClientSampleId :

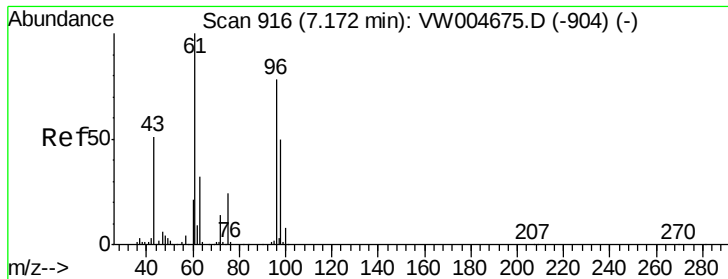
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	21.2	39.4
83	12.4	9.2	17.0



#21
 2-Butanone
 Concen: 47.915 ug/L
 RT: 7.18 min Scan# 918
 Delta R.T. 0.01 min
 Lab File: VW004688.D
 Acq: 15 Aug 2018 09:44

Tgt Ion	Ratio	Lower	Upper
43	100		
72	27.4	14.1	42.2



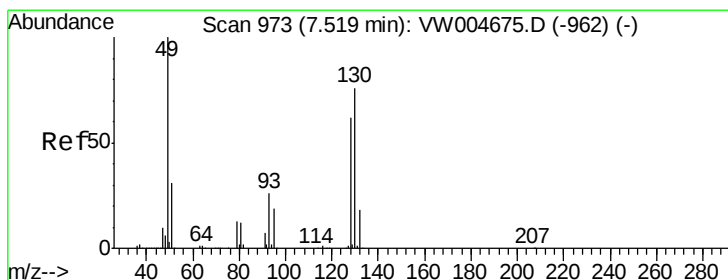
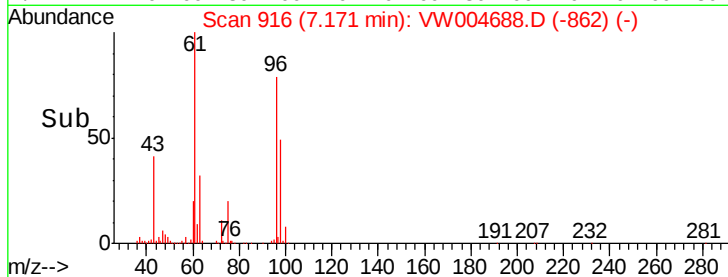
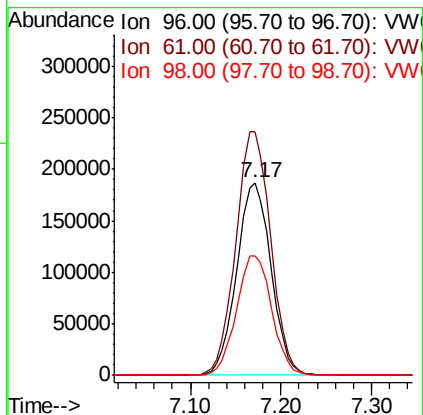
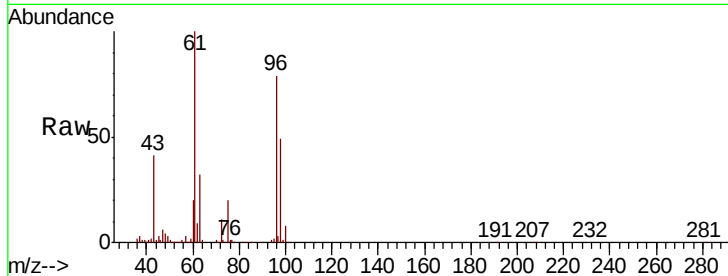


#22

cis-1,2-Dichloroethene
 Concen: 25.665 ug/L
 RT: 7.17 min Scan# 916
 Delta R.T. -0.00 min
 Lab File: VW004688.D
 Acq: 15 Aug 2018 09:44

Instrument :
 MSVOA_W
 ClientSampleId :

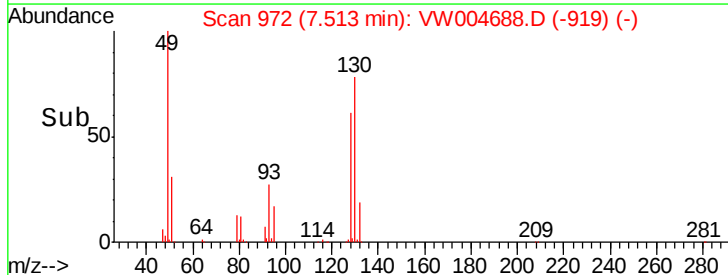
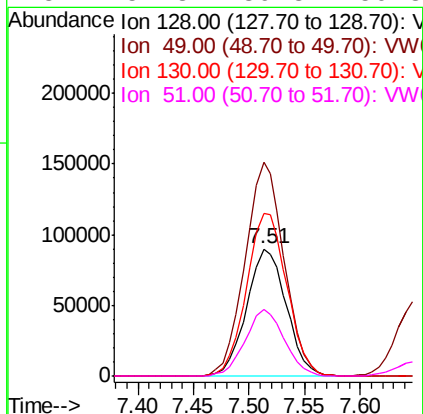
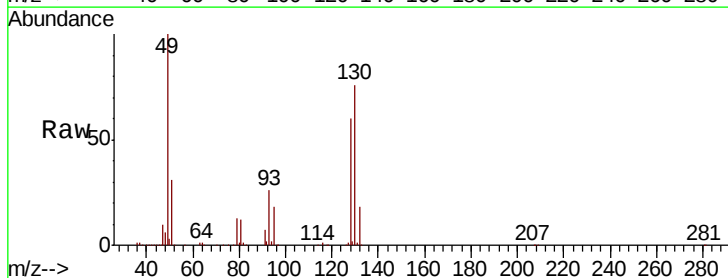
Tot Ion	Ratio	Lower	Upper
96	100		
61	126.4	89.6	166.4
98	62.2	44.5	82.7

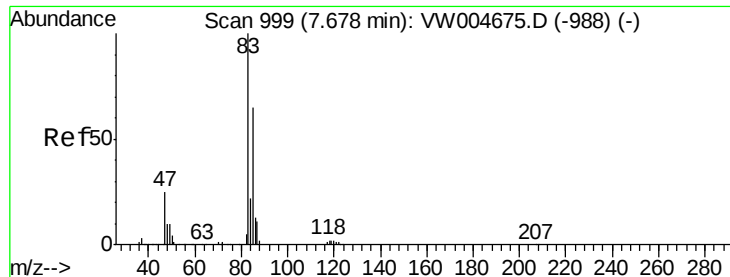


#23

Bromochloromethane
 Concen: 24.806 ug/L
 RT: 7.51 min Scan# 972
 Delta R.T. -0.01 min
 Lab File: VW004688.D
 Acq: 15 Aug 2018 09:44

Tgt Ion	Ratio	Lower	Upper
128	100		
49	167.8	116.0	215.4
130	127.8	86.6	160.8
51	52.3	39.8	59.8





#25

Chloroform

Concen: 24.920 ug/L

RT: 7.68 min Scan# 999

Delta R.T. -0.00 min

Lab File: VW004688.D

Acq: 15 Aug 2018 09:44

Instrument :

MSVOA_W

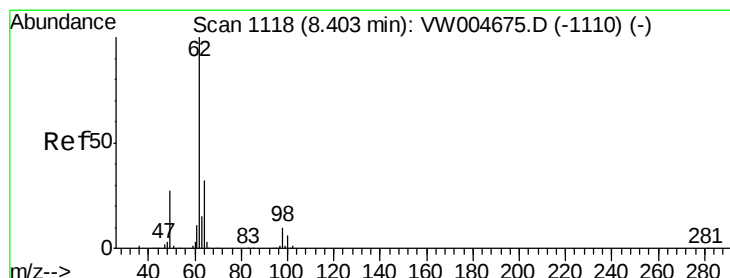
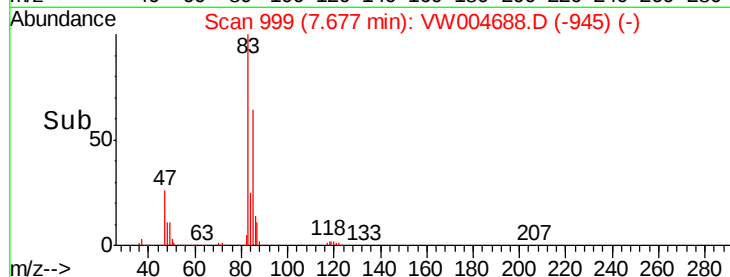
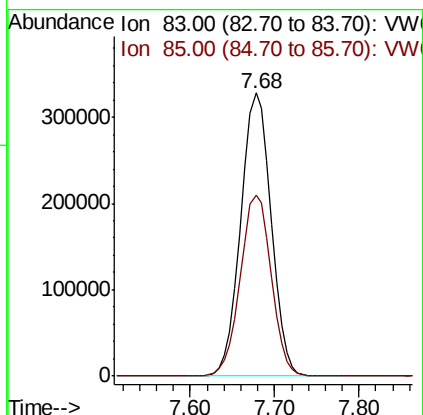
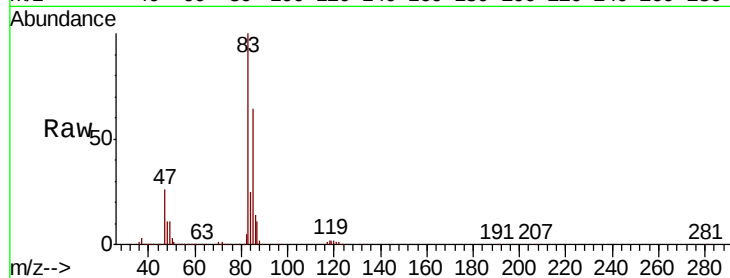
ClientSampleId :

Tot Ion: 83 Resp: 797166

Ion Ratio Lower Upper

83 100

85 65.2 45.5 84.5



#27

1,2-Dichloroethane

Concen: 24.747 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. -0.00 min

Lab File: VW004688.D

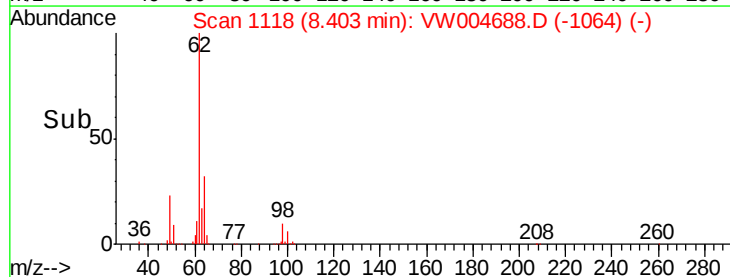
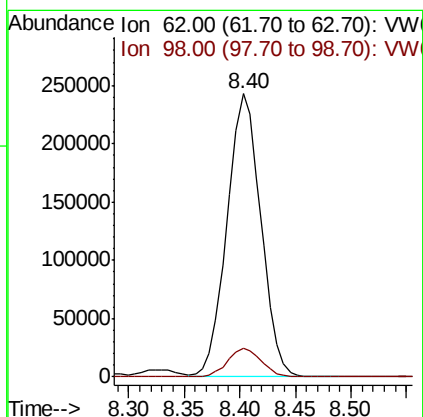
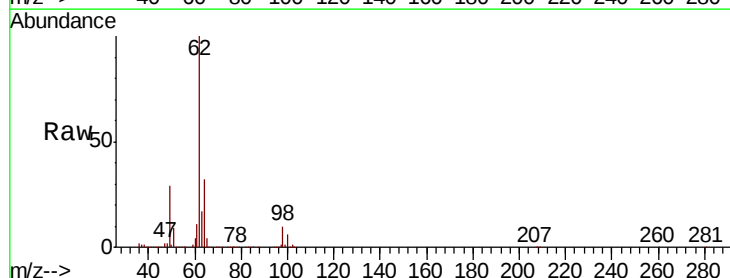
Acq: 15 Aug 2018 09:44

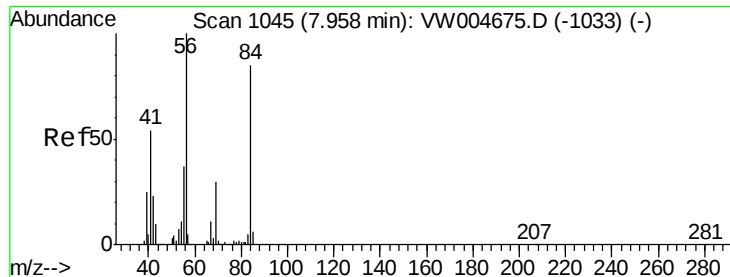
Tgt Ion: 62 Resp: 511796

Ion Ratio Lower Upper

62 100

98 10.3 7.8 11.8

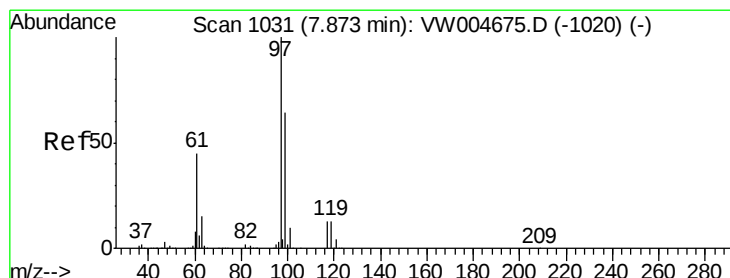
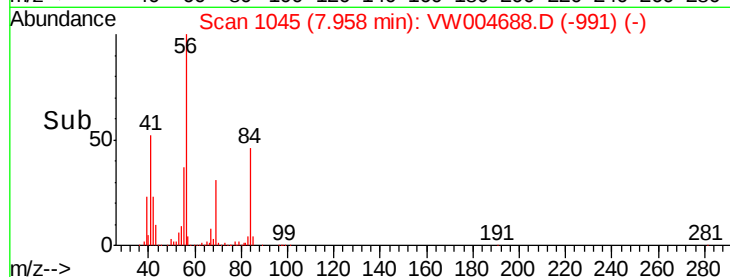
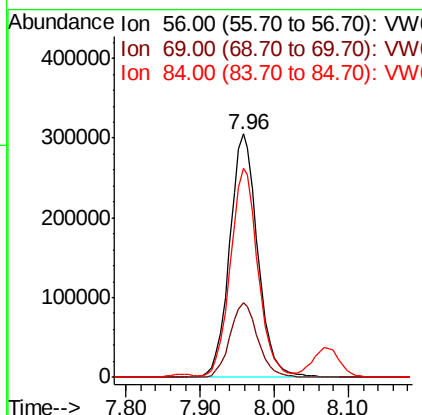
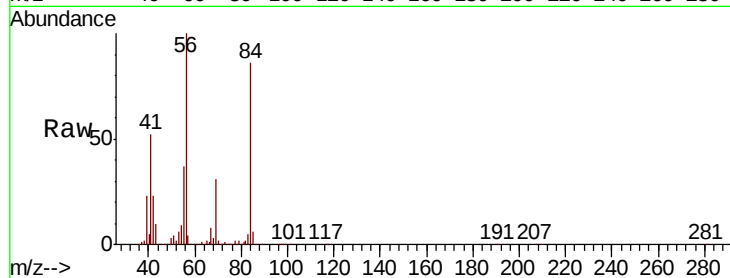




#30
Cyclohexane
Concen: 27.114 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VW004688.D
Acq: 15 Aug 2018 09:44

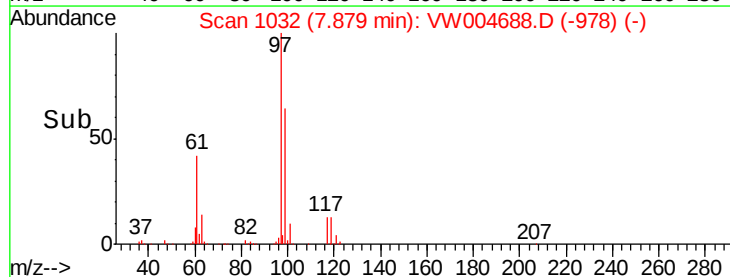
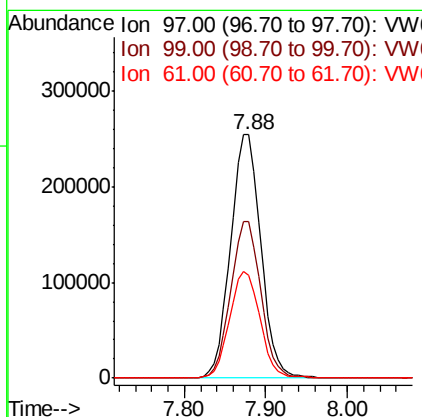
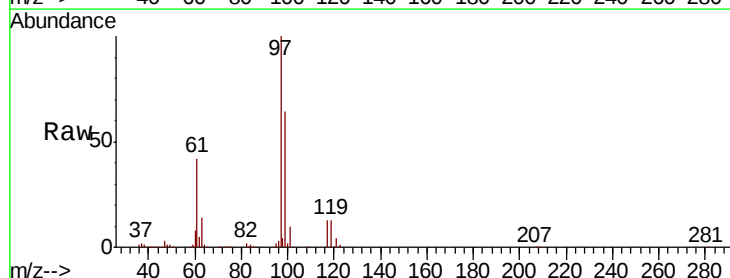
Instrument :
MSVOA_W
ClientSampleId :

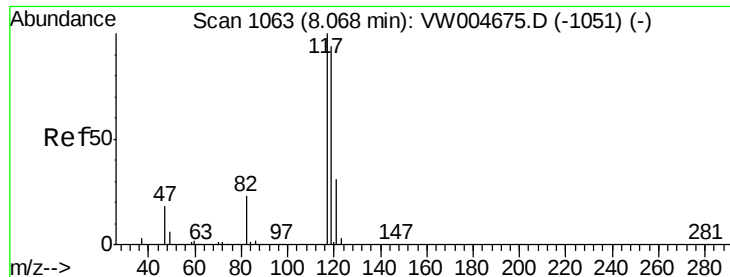
Tot Ion	56	Resp	806305
Ion Ratio	Lower	Upper	
56	100		
69	30.5	23.9	35.9
84	84.7	66.4	99.6



#31
1,1,1-Trichloroethane
Concen: 25.605 ug/L
RT: 7.88 min Scan# 1032
Delta R.T. -0.00 min
Lab File: VW004688.D
Acq: 15 Aug 2018 09:44

Tgt Ion	97	Resp	651809
Ion Ratio	Lower	Upper	
97	100		
99	64.2	51.3	76.9
61	44.2	35.6	53.4





#32

Carbon tetrachloride

Concen: 25.244 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. -0.01 min

Lab File: VW004688.D

Acq: 15 Aug 2018 09:44

Instrument :

MSVOA_W

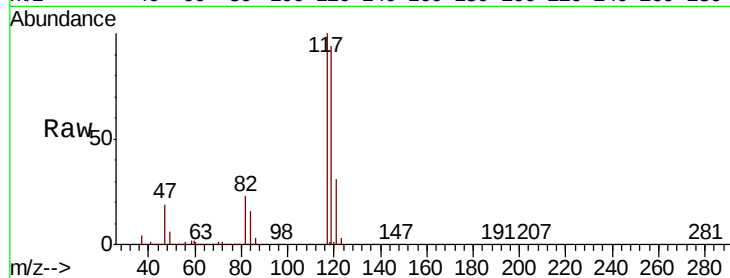
ClientSampled :

Tot Ion:117 Resp: 611415

Ion Ratio Lower Upper

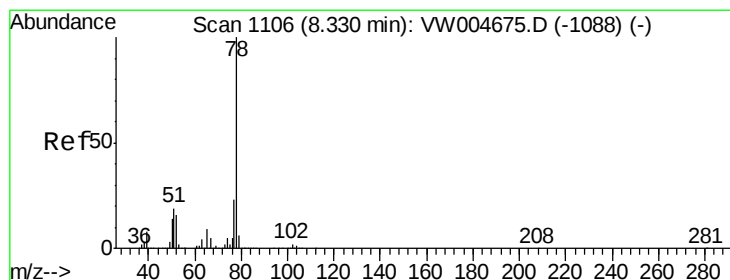
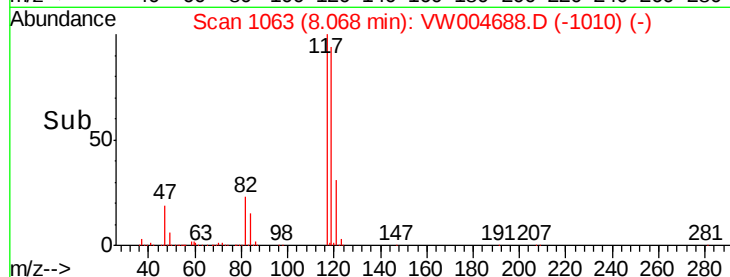
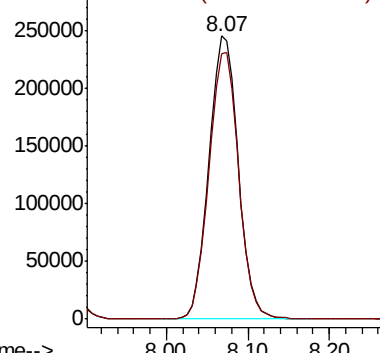
117 100

119 95.5 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.320 ug/L

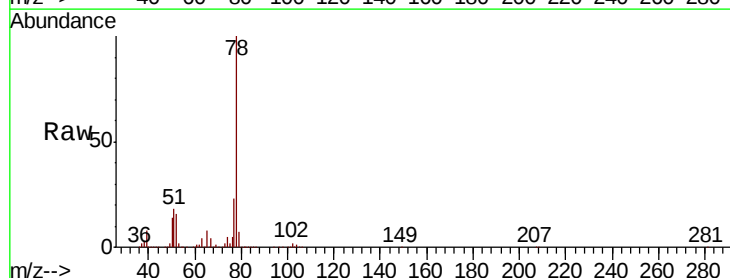
RT: 8.33 min Scan# 1106

Delta R.T. -0.00 min

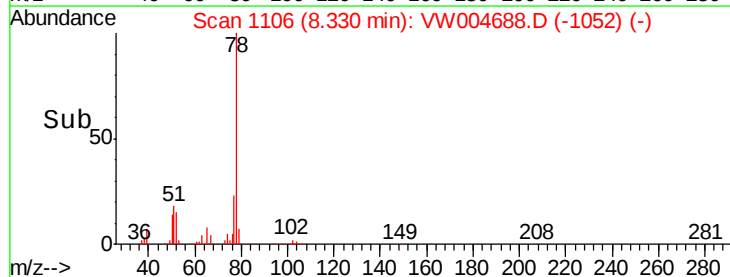
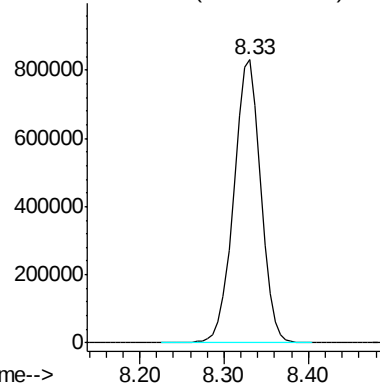
Lab File: VW004688.D

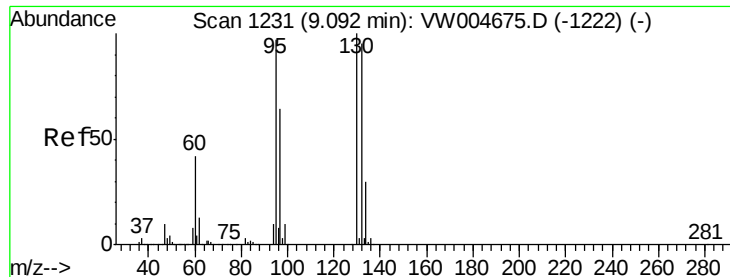
Acq: 15 Aug 2018 09:44

Tgt Ion: 78 Resp: 1833932



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 25.062 ug/L

RT: 9.09 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VW004688.D

Acq: 15 Aug 2018 09:44

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 95 Resp: 456818

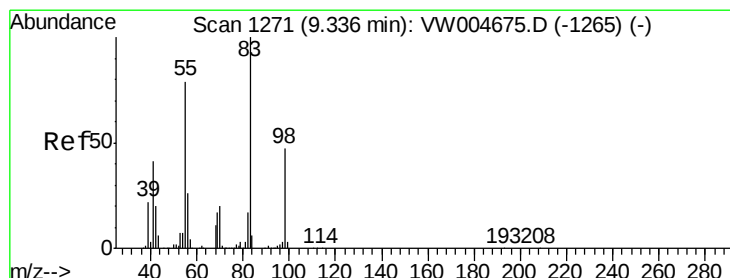
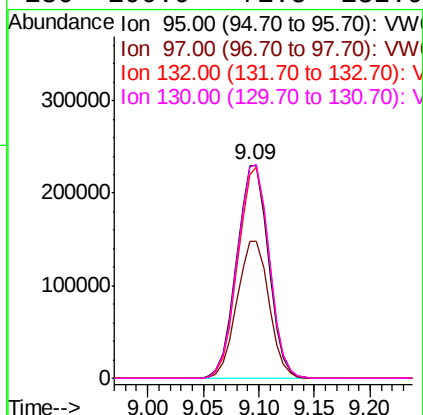
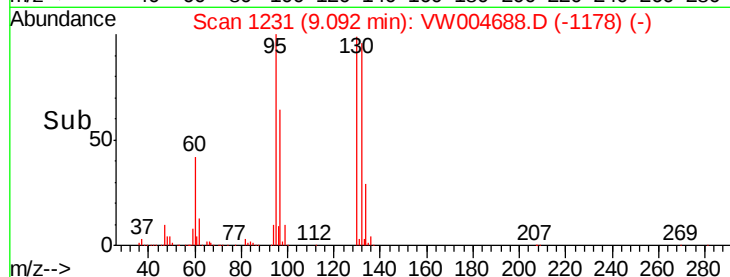
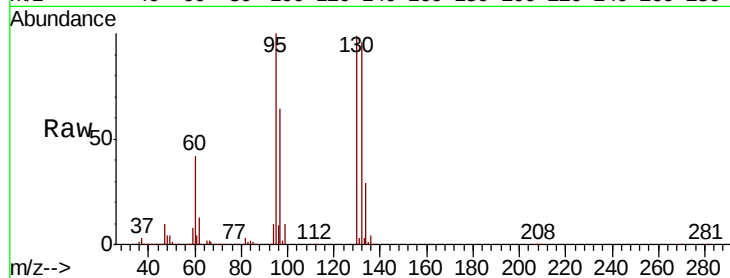
Ion Ratio Lower Upper

95 100

97 64.9 45.1 83.9

132 97.9 68.8 127.8

130 100.9 71.5 132.9



#36

Methylcyclohexane

Concen: 26.742 ug/L

RT: 9.34 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VW004688.D

Acq: 15 Aug 2018 09:44

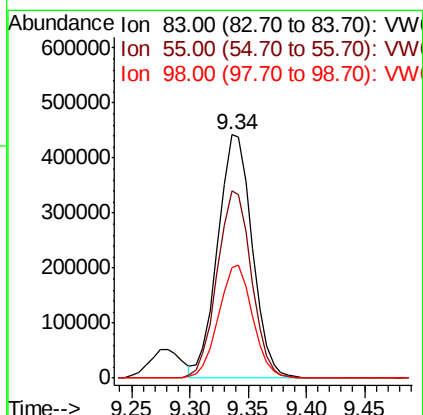
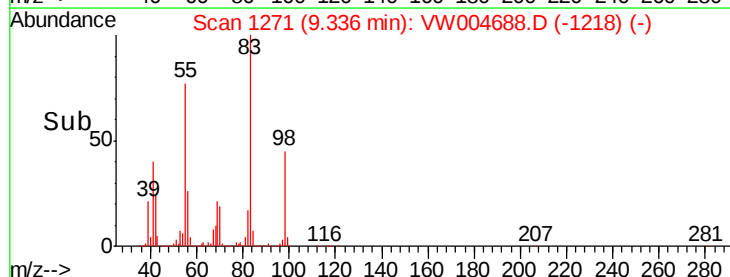
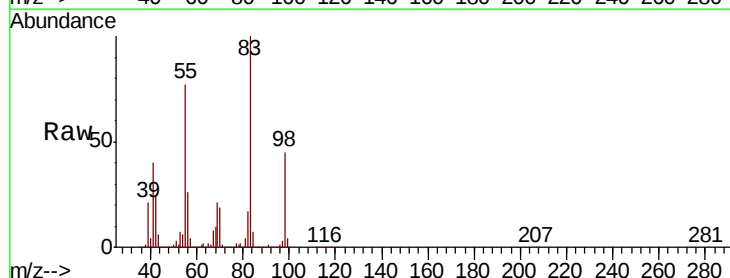
Tgt Ion: 83 Resp: 909503

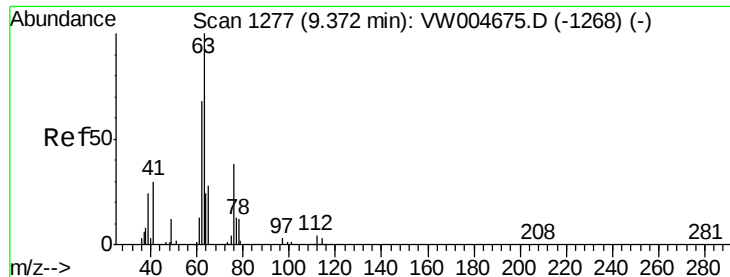
Ion Ratio Lower Upper

83 100

55 76.5 61.4 92.2

98 45.9 36.2 54.4

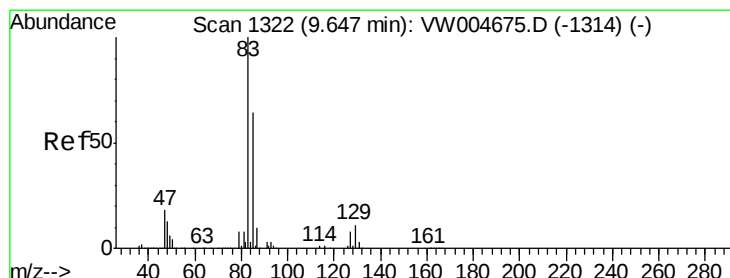
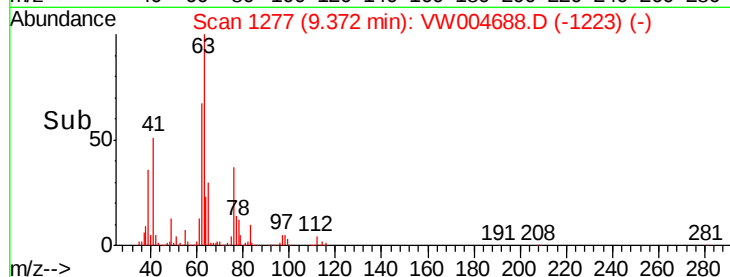
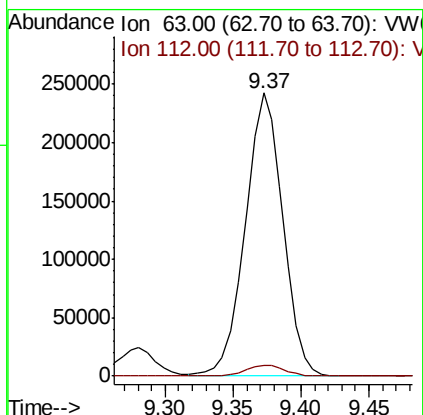
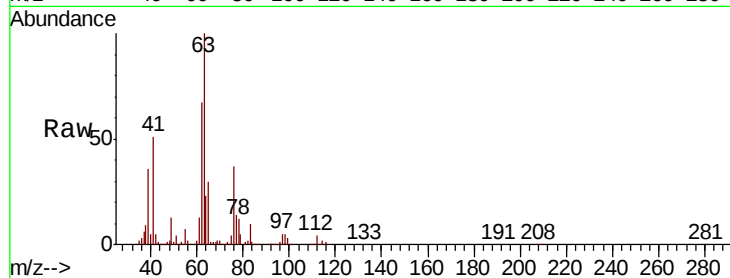




#40
 1,2-Dichloropropane
 Concen: 25.568 ug/L
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW004688.D
 Acq: 15 Aug 2018 09:44

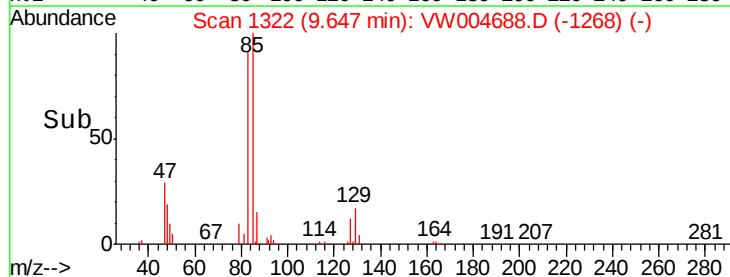
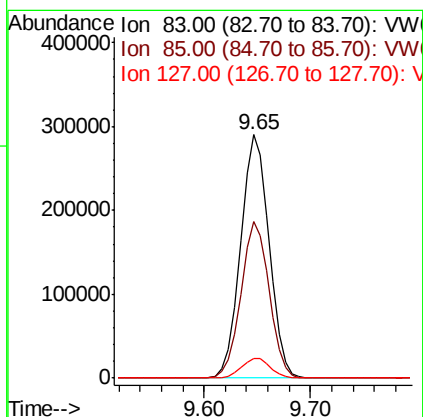
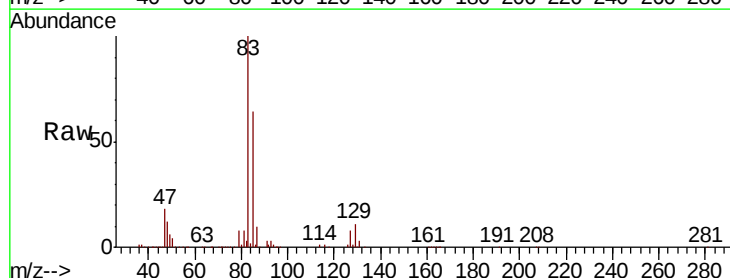
Instrument :
 MSVOA_W
 ClientSampled :

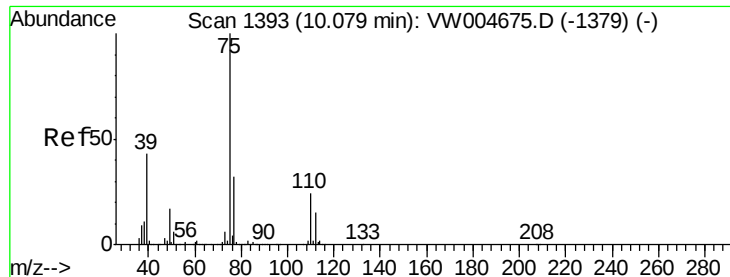
Tot Ion: 63 Resp: 469910
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.4 5.0



#41
 Bromodichloromethane
 Concen: 25.345 ug/L
 RT: 9.65 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VW004688.D
 Acq: 15 Aug 2018 09:44

Tgt Ion: 83 Resp: 544250
 Ion Ratio Lower Upper
 83 100
 85 64.1 44.9 83.5
 127 7.9 7.0 10.6





#42

cis-1,3-Dichloropropene

Concen: 26.803 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW004688.D

Acq: 15 Aug 2018 09:44

Instrument :

MSVOA_W

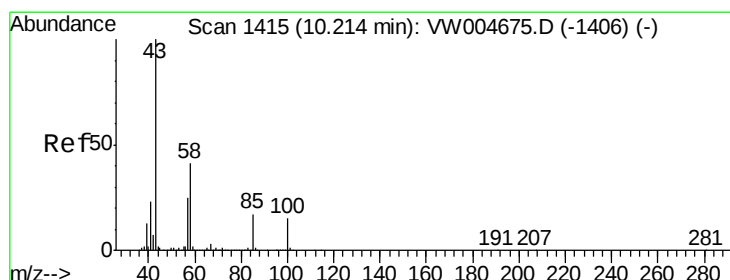
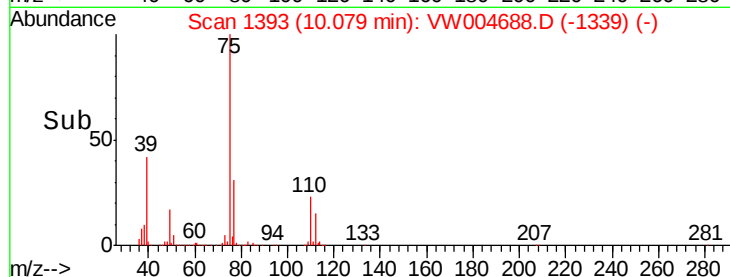
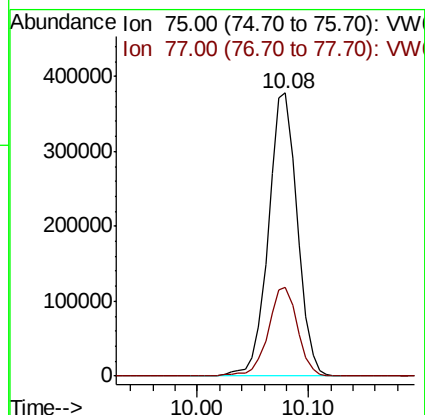
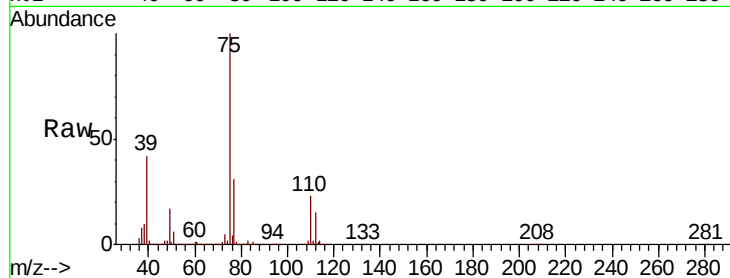
ClientSampleId :

Tot Ion: 75 Resp: 685602

Ion Ratio Lower Upper

75 100

77 31.2 21.7 40.3



#43

4-Methyl-2-pentanone

Concen: 51.055 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VW004688.D

Acq: 15 Aug 2018 09:44

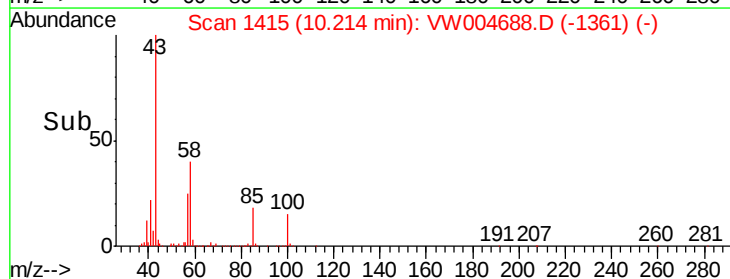
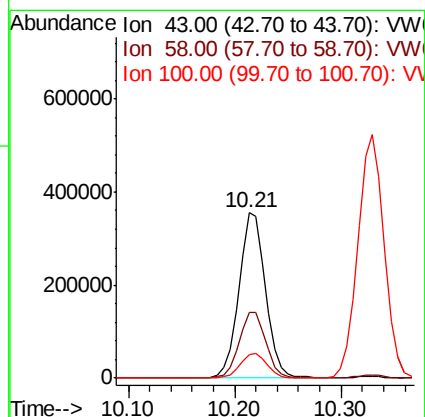
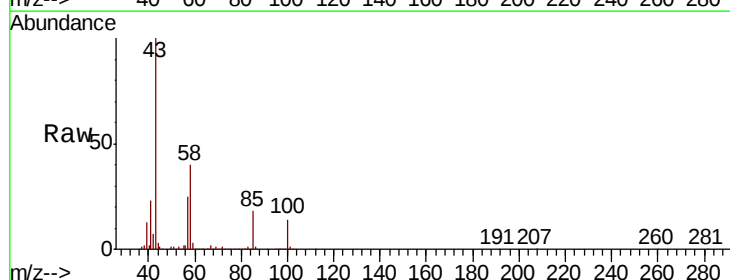
Tgt Ion: 43 Resp: 621304

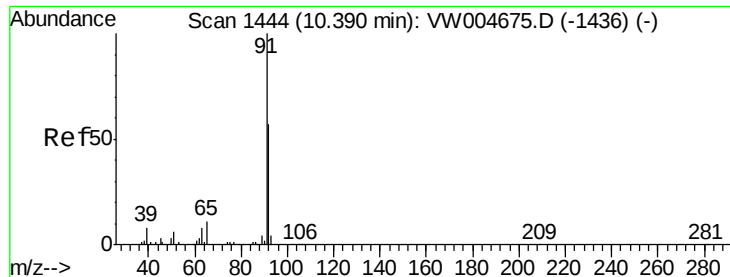
Ion Ratio Lower Upper

43 100

58 40.4 31.8 47.8

100 15.1 12.2 18.4





#44

Toluene

Concen: 26.358 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW004688.D

Acq: 15 Aug 2018 09:44

Instrument :

MSVOA_W

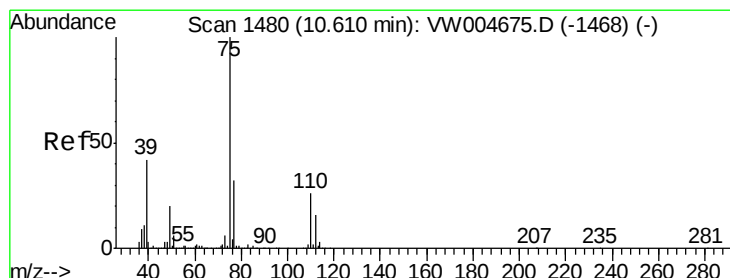
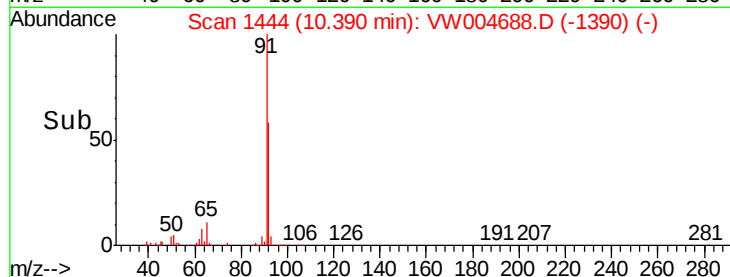
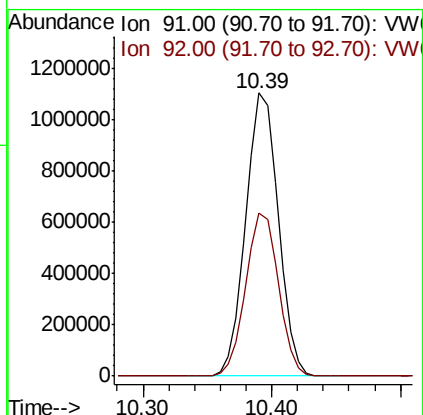
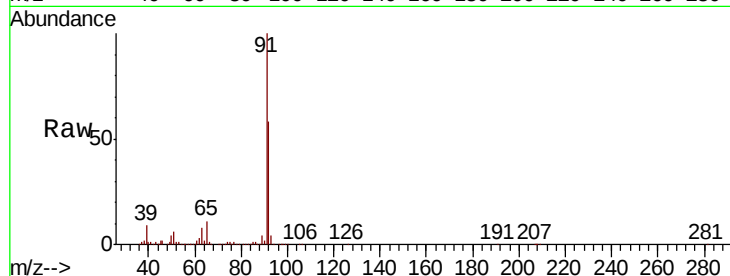
ClientSampled :

Tot Ion: 91 Resp: 1933172

Ion Ratio Lower Upper

91 100

92 57.6 40.3 74.8



#45

trans-1,3-Dichloropropene

Concen: 26.651 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW004688.D

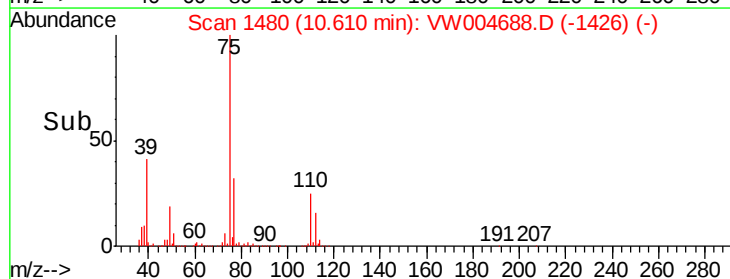
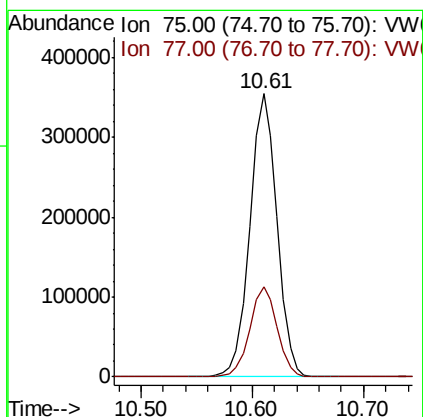
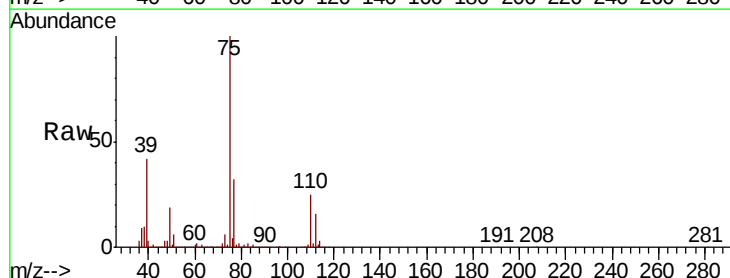
Acq: 15 Aug 2018 09:44

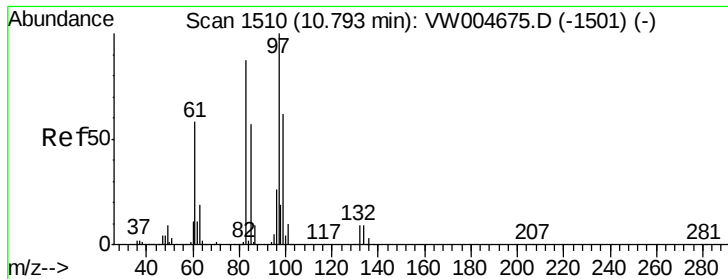
Tgt Ion: 75 Resp: 601101

Ion Ratio Lower Upper

75 100

77 31.7 21.8 40.6

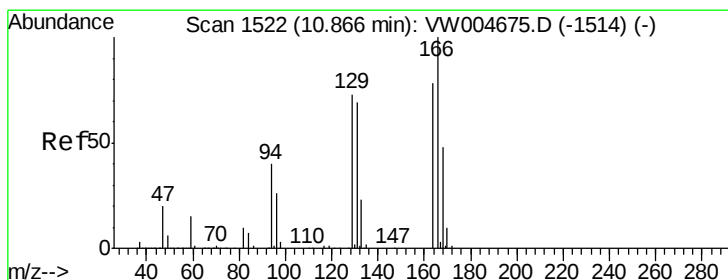
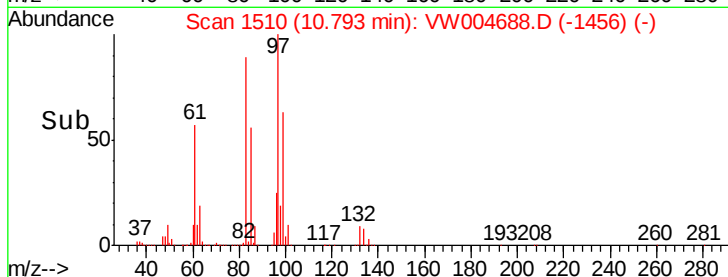
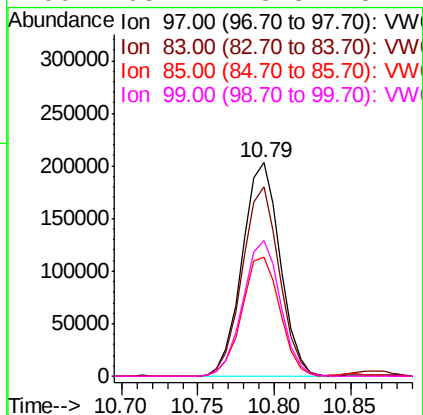
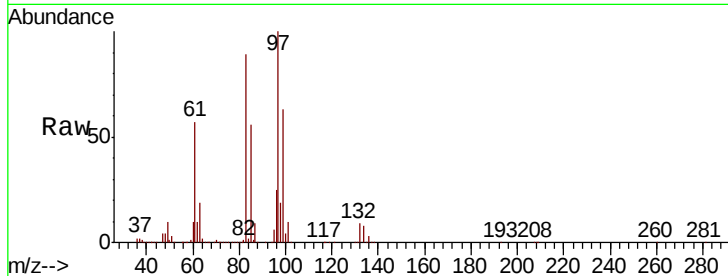




#46
 1,1,2-Trichloroethane
 Concen: 25.149 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW004688.D
 Acq: 15 Aug 2018 09:44

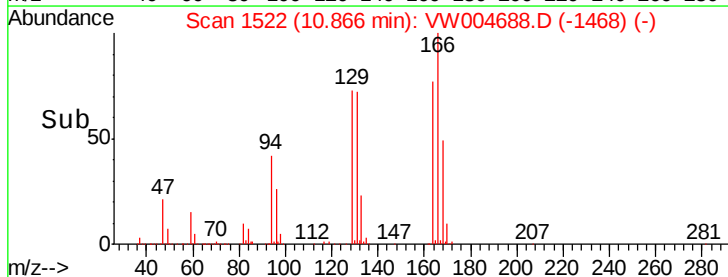
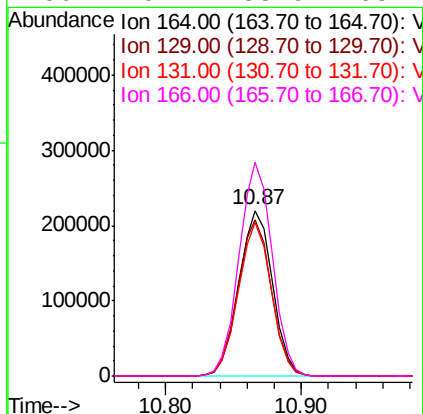
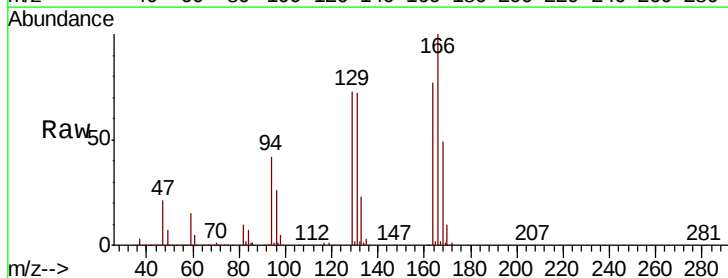
Instrument :
 MSVOA_W
 ClientSampleId :

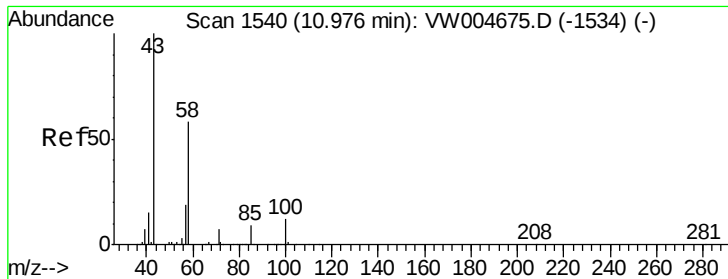
Tot Ion:	97	Resp:	349342
Ion	Ratio	Lower	Upper
97	100		
83	89.0	60.6	112.6
85	55.9	37.9	70.5
99	63.4	43.8	81.4



#47
 Tetrachloroethene
 Concen: 25.175 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. -0.00 min
 Lab File: VW004688.D
 Acq: 15 Aug 2018 09:44

Tgt Ion:	164	Resp:	380704
Ion	Ratio	Lower	Upper
164	100		
129	94.4	65.0	120.6
131	92.6	62.2	115.4
166	129.1	88.9	165.1

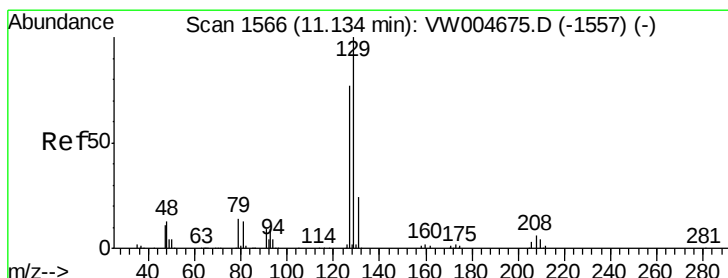
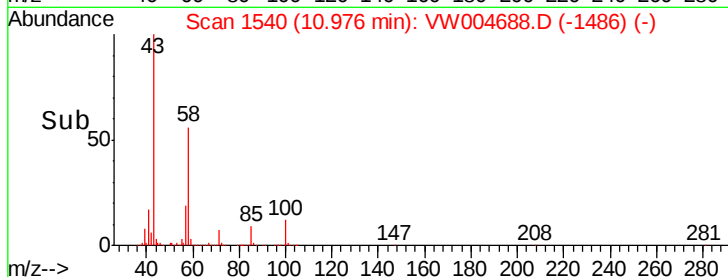
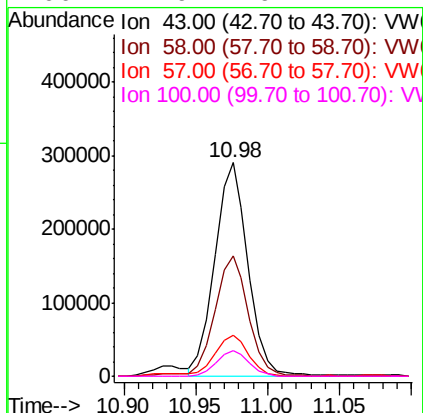
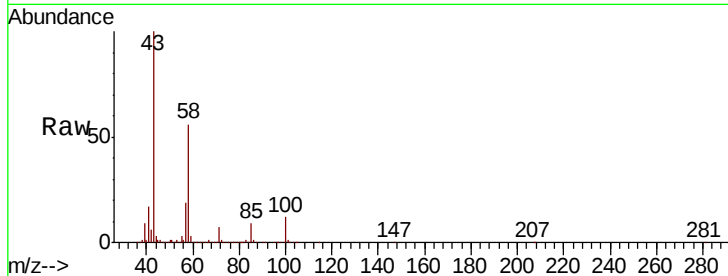




#49
2-Hexanone
Concen: 52.860 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW004688.D
Acq: 15 Aug 2018 09:44

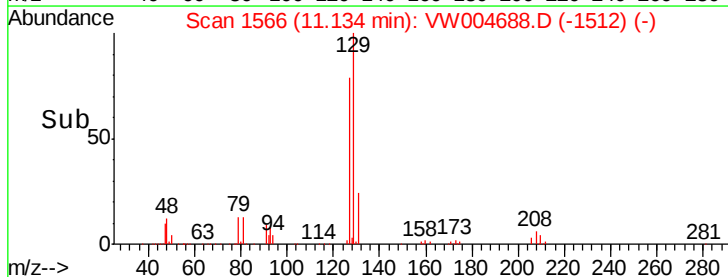
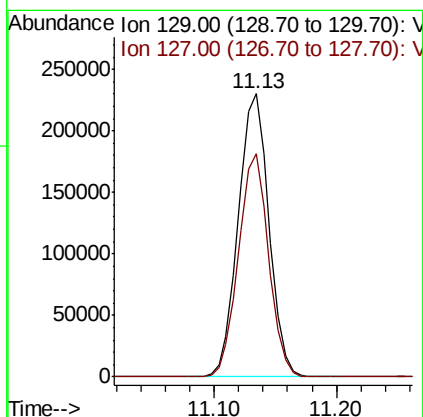
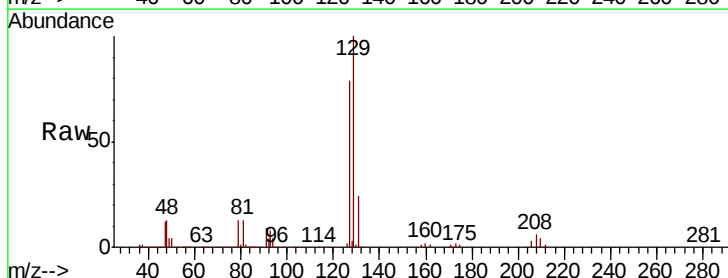
Instrument :
MSVOA_W
ClientSampleId :

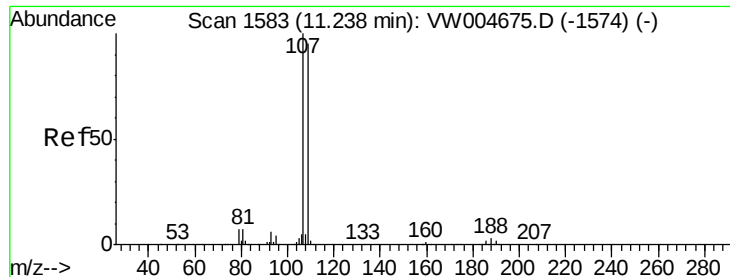
Tot Ion: 43 Resp: 468504
Ion Ratio Lower Upper
43 100
58 56.4 44.4 66.6
57 19.3 14.8 22.2
100 11.9 9.4 14.2



#50
Dibromochloromethane
Concen: 25.585 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW004688.D
Acq: 15 Aug 2018 09:44

Tgt Ion: 129 Resp: 399774
Ion Ratio Lower Upper
129 100
127 78.6 53.3 98.9

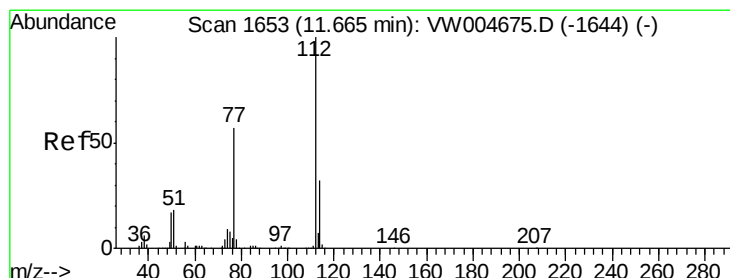
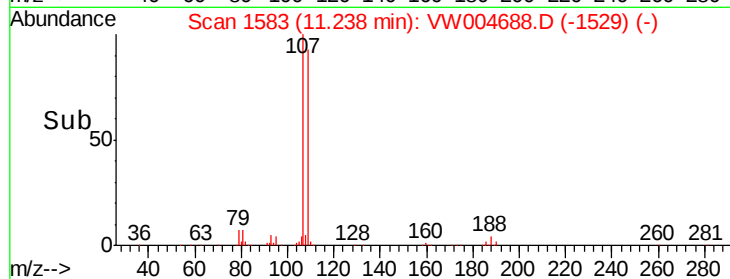
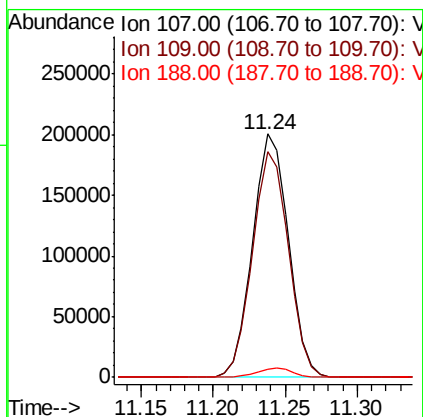
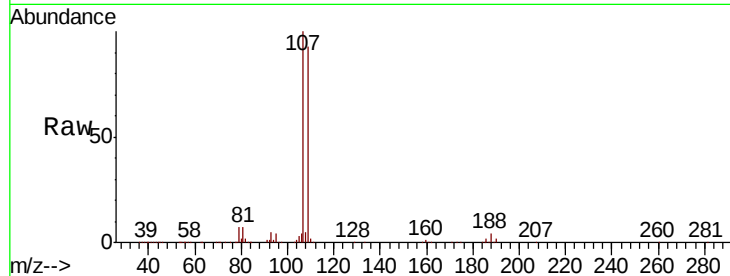




#51
 1,2-Dibromoethane
 Concen: 25.747 ug/L
 RT: 11.24 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VW004688.D
 Acq: 15 Aug 2018 09:44

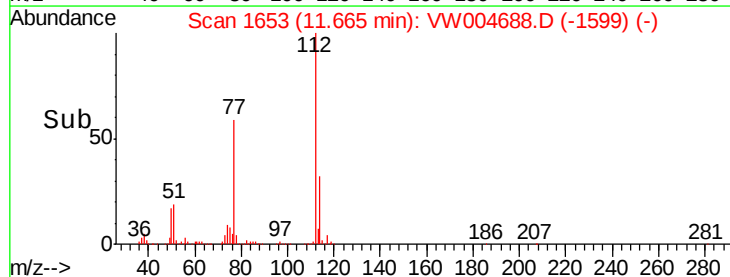
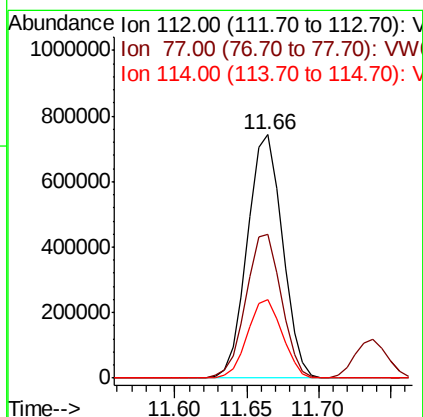
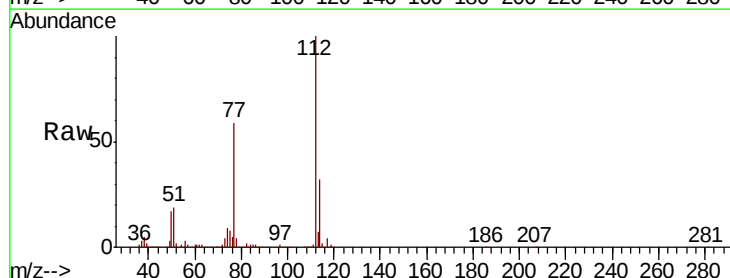
Instrument :
 MSVOA_W
 ClientSampled :

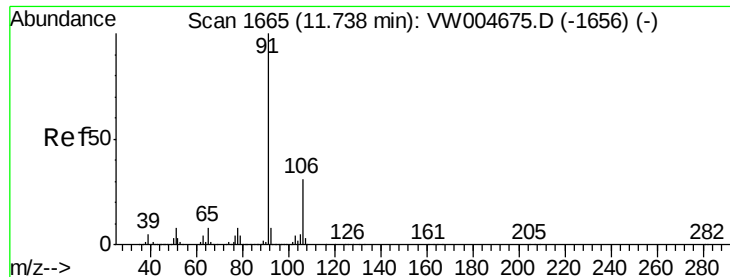
Tot Ion:107 Resp: 344788
 Ion Ratio Lower Upper
 107 100
 109 92.8 64.5 119.9
 188 3.5 2.8 4.2



#52
 Chlorobenzene
 Concen: 25.642 ug/L
 RT: 11.66 min Scan# 1653
 Delta R.T. -0.00 min
 Lab File: VW004688.D
 Acq: 15 Aug 2018 09:44

Tgt Ion:112 Resp: 1255685
 Ion Ratio Lower Upper
 112 100
 77 58.8 46.0 69.0
 114 32.5 22.3 41.5

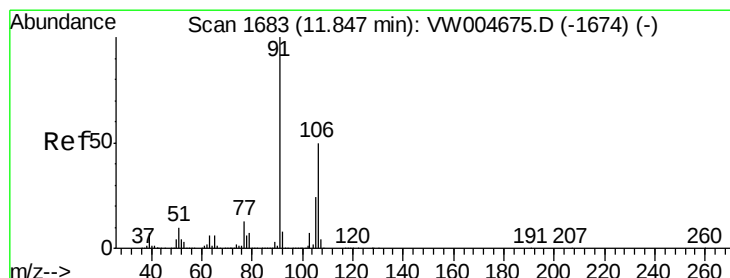
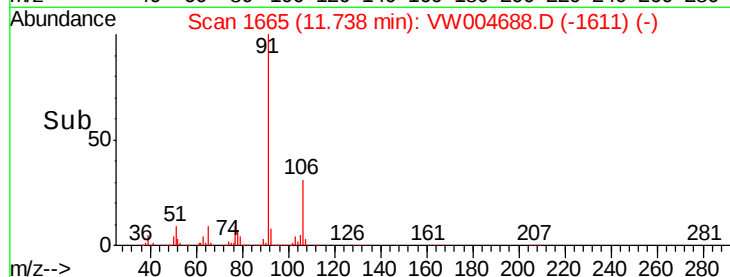
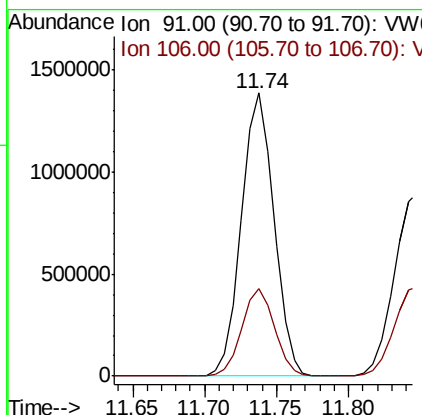
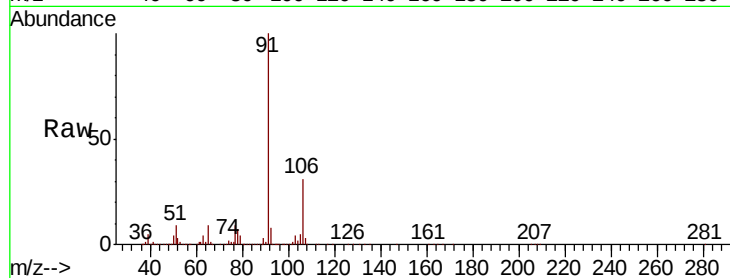




#53
Ethylbenzene
Concen: 26.626 ug/L
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW004688.D
Acq: 15 Aug 2018 09:44

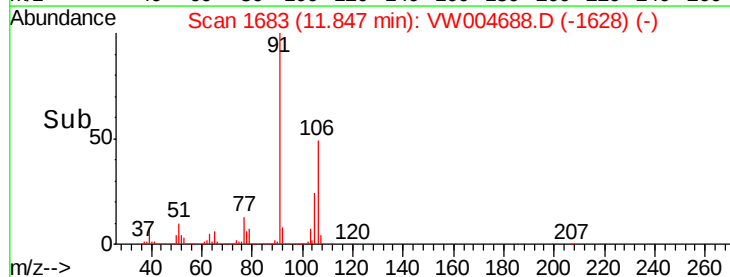
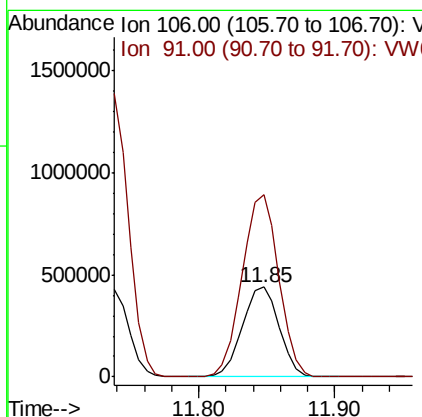
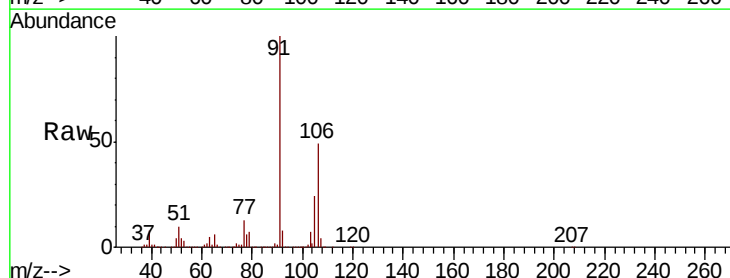
Instrument :
MSVOA_W
ClientSampled :

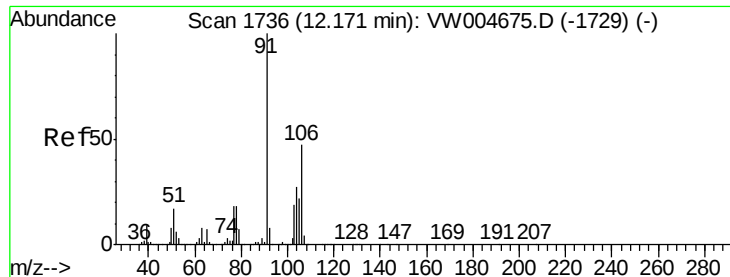
Tot Ion: 91 Resp: 2175353
Ion Ratio Lower Upper
91 100
106 31.1 22.0 40.8



#54
m,p-Xylene
Concen: 26.871 ug/L
RT: 11.85 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VW004688.D
Acq: 15 Aug 2018 09:44

Tgt Ion:106 Resp: 834291
Ion Ratio Lower Upper
106 100
91 202.5 139.2 258.4





#55

o-xylene

Concen: 27.067 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VW004688.D

Acq: 15 Aug 2018 09:44

Instrument :

MSVOA_W

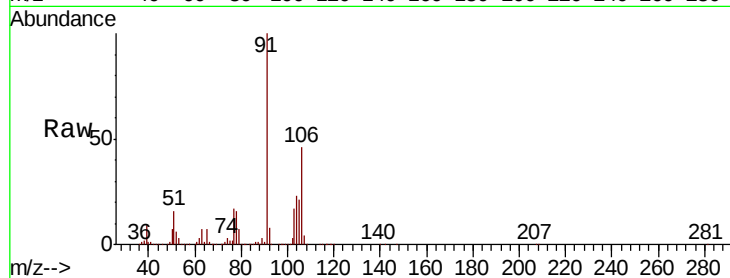
ClientSampled :

Tot Ion:106 Resp: 794265

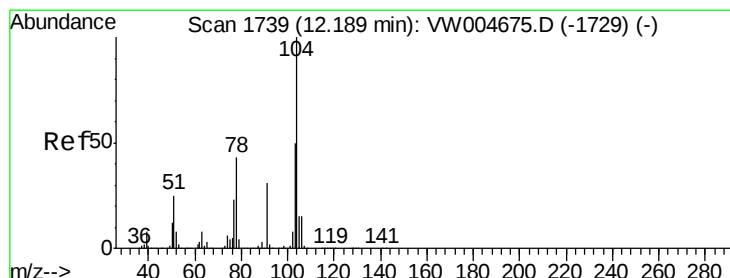
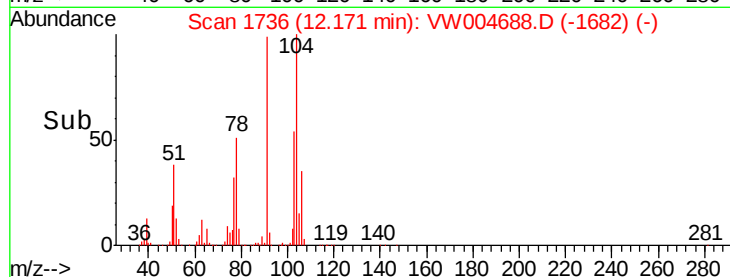
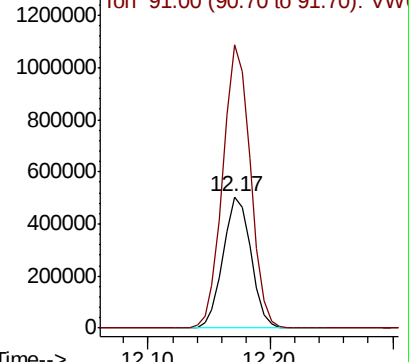
Ion Ratio Lower Upper

106 100

91 215.8 150.1 278.7



Abundance Ion 106.00 (105.70 to 106.70): V



#56

Styrene

Concen: 27.539 ug/L

RT: 12.19 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VW004688.D

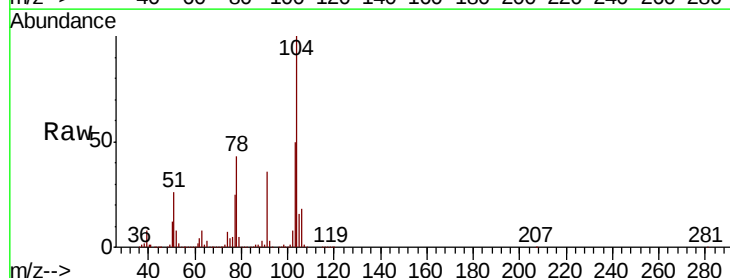
Acq: 15 Aug 2018 09:44

Tgt Ion:104 Resp: 1386138

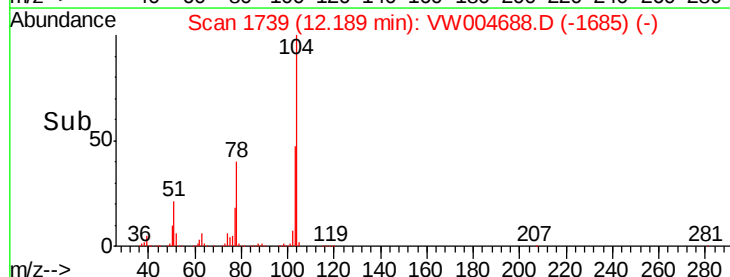
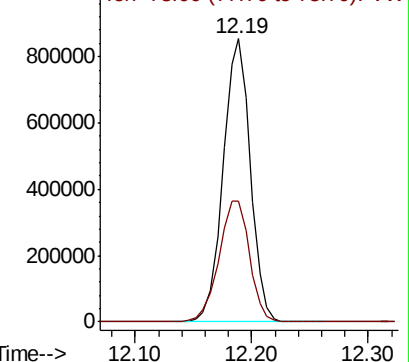
Ion Ratio Lower Upper

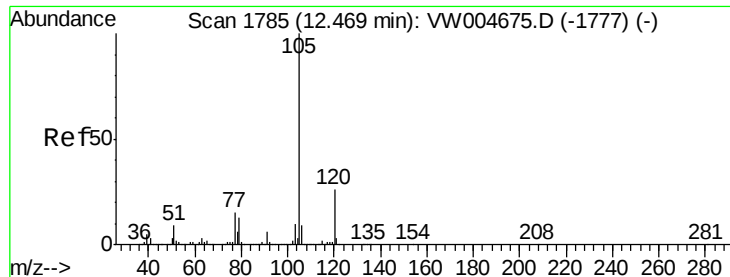
104 100

78 42.6 29.9 55.5



Abundance Ion 104.00 (103.70 to 104.70): V





#57

Isopropylbenzene

Concen: 27.392 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW004688.D

Acq: 15 Aug 2018 09:44

Instrument :

MSVOA_W

ClientSampleId :

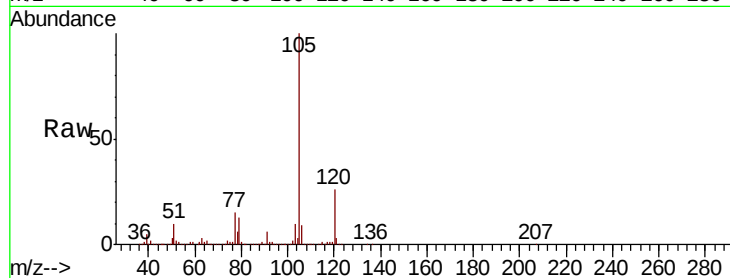
Tot Ion:105 Resp: 2176926

Ion Ratio Lower Upper

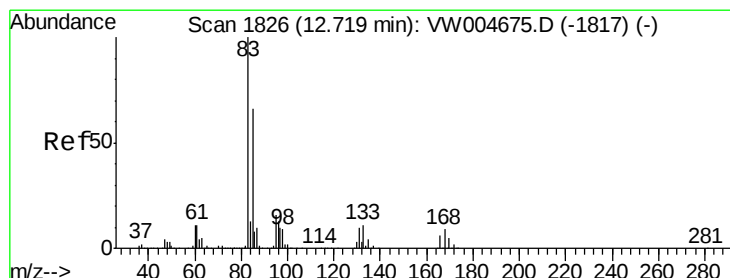
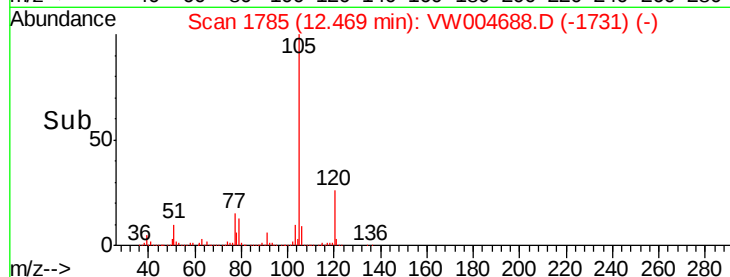
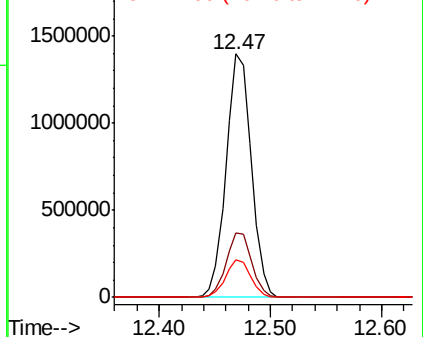
105 100

120 26.5 21.2 31.8

77 15.3 12.1 18.1



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: 24.810 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW004688.D

Acq: 15 Aug 2018 09:44

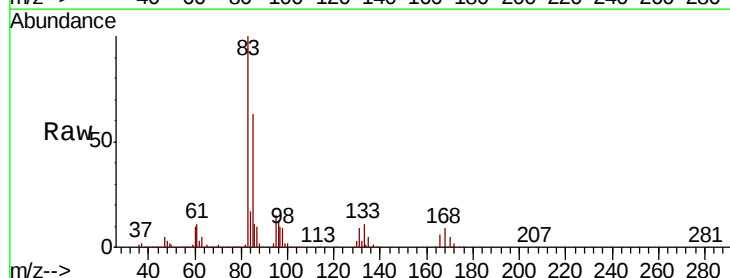
Tgt Ion: 83 Resp: 475255

Ion Ratio Lower Upper

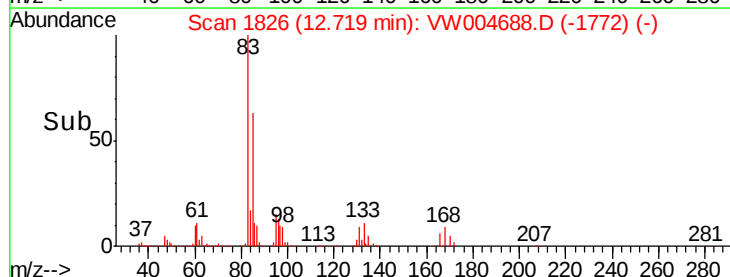
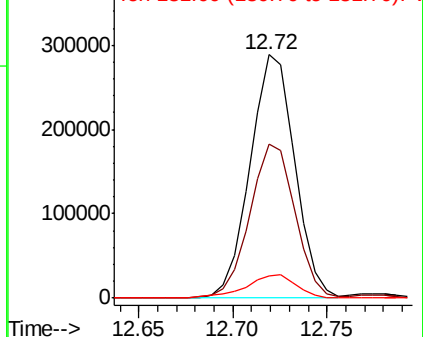
83 100

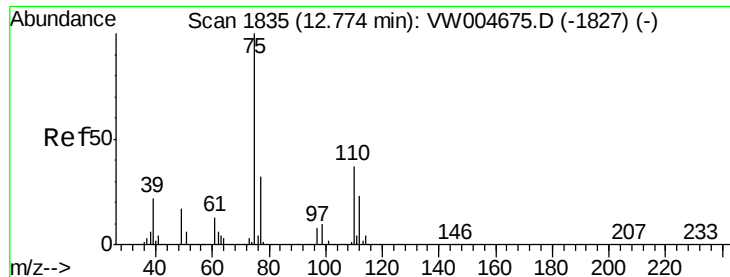
85 63.3 44.4 82.5

131 9.3 8.2 12.4



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: 24.770 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW004688.D

Acq: 15 Aug 2018 09:44

Instrument :

MSVOA_W

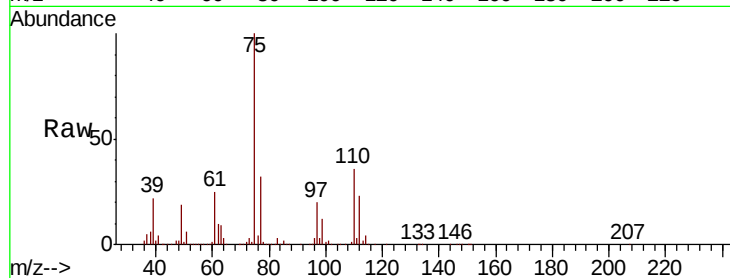
ClientSampled :

Tot Ion: 75 Resp: 349328

Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

12.77

200000

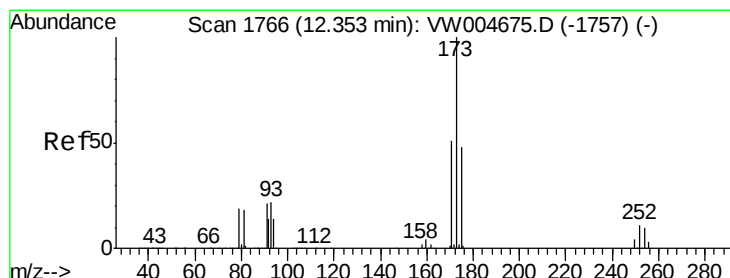
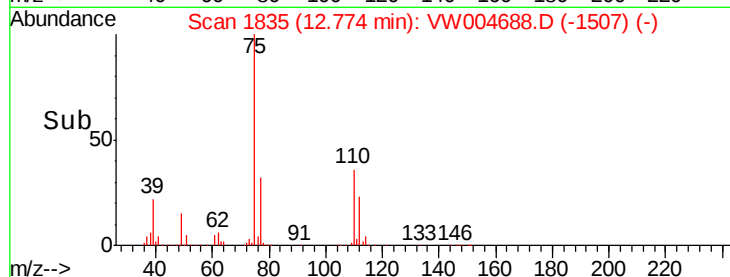
150000

100000

50000

0

Time--> 12.70 12.75 12.80 12.85



#62

Bromoform

Concen: 25.046 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW004688.D

Acq: 15 Aug 2018 09:44

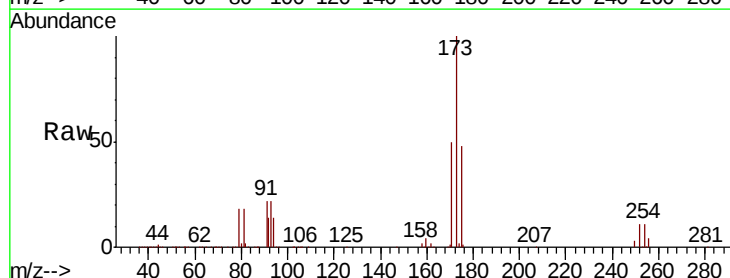
Tgt Ion: 173 Resp: 251940

Ion Ratio Lower Upper

173 100

175 48.9 39.2 58.8

254 10.8 8.8 13.2



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

200000

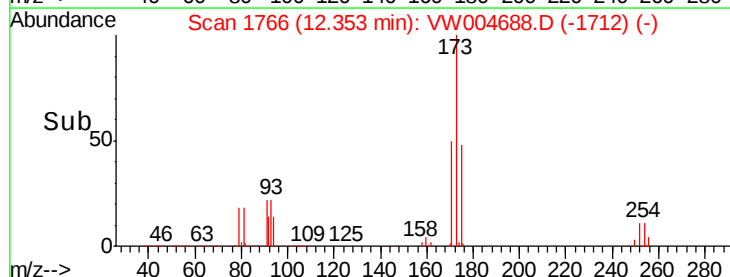
150000

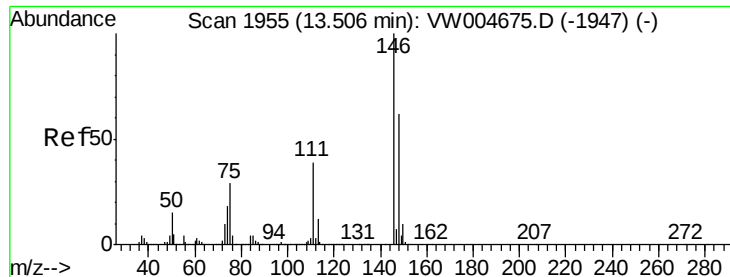
100000

50000

0

Time--> 12.30 12.35 12.40

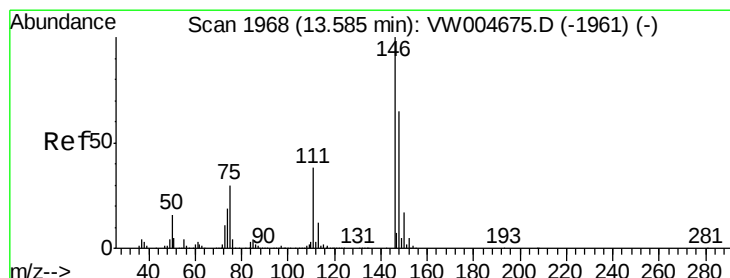
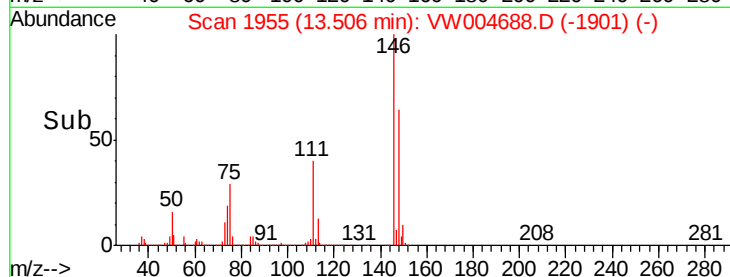
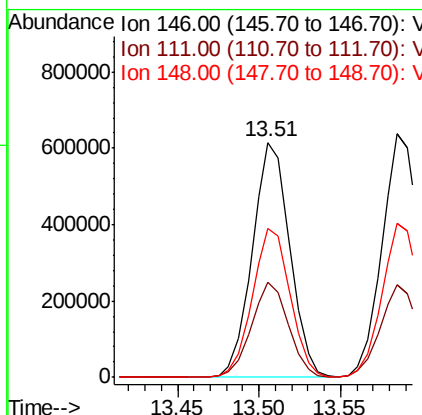
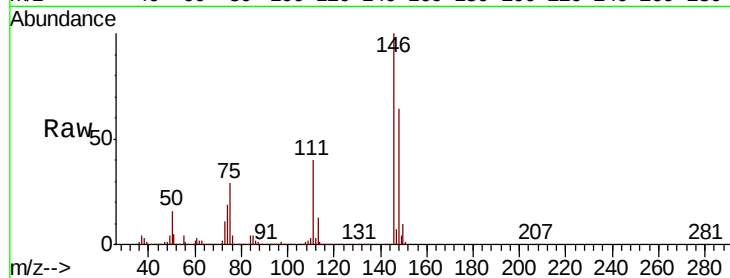




#63
 1,3-Dichlorobenzene
 Concen: 26.099 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW004688.D
 Acq: 15 Aug 2018 09:44

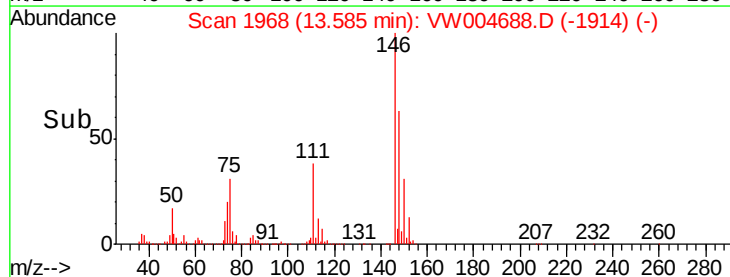
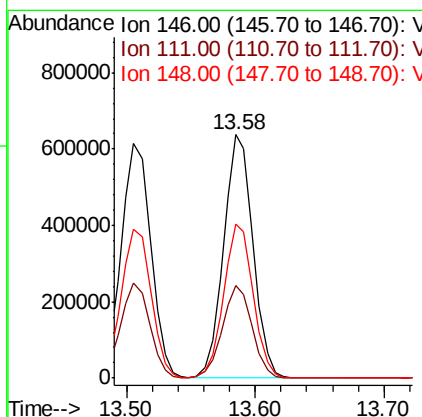
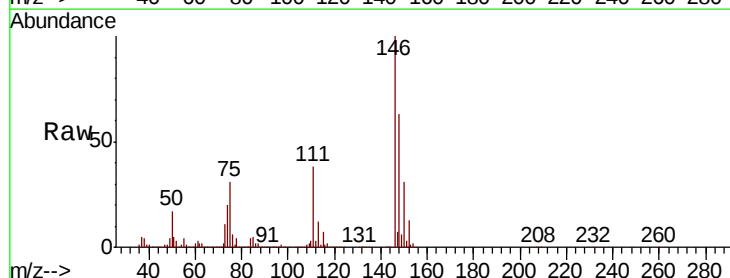
Instrument :
 MSVOA_W
 ClientSampleId :

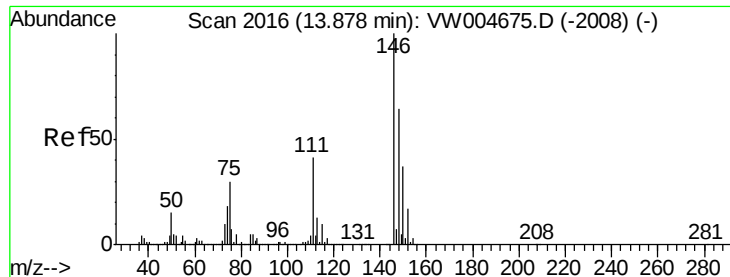
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	27.5	51.1
148	63.6	45.1	83.9



#64
 1,4-Dichlorobenzene
 Concen: 25.439 ug/L
 RT: 13.58 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW004688.D
 Acq: 15 Aug 2018 09:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	26.7	49.5
148	63.3	44.8	83.2

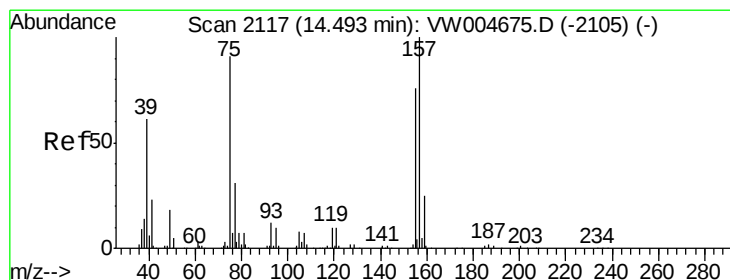
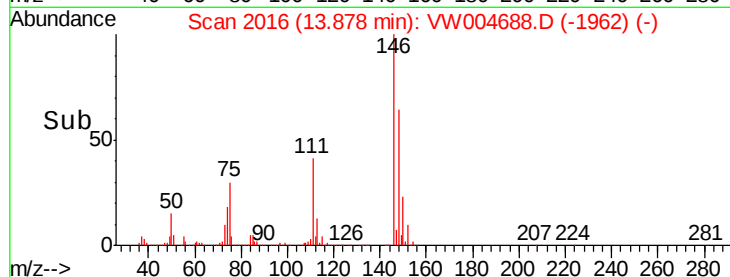
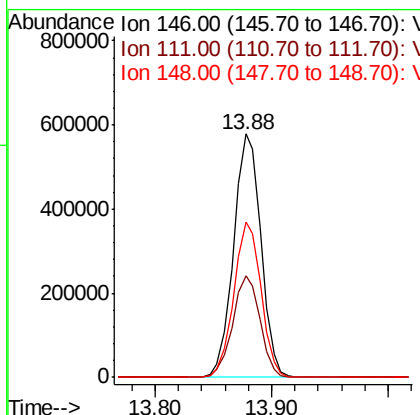
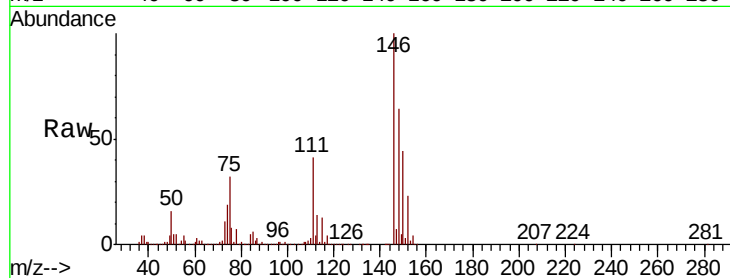




#65
 1,2-Dichlorobenzene
 Concen: 25.482 ug/L
 RT: 13.88 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VW004688.D
 Acq: 15 Aug 2018 09:44

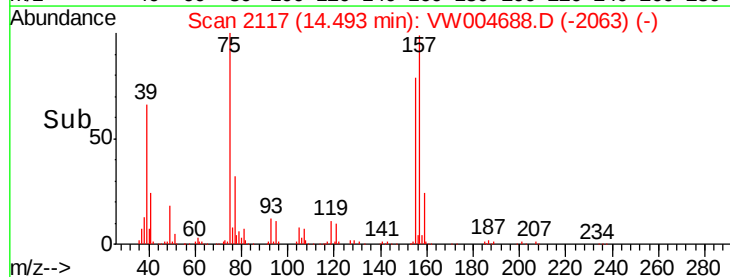
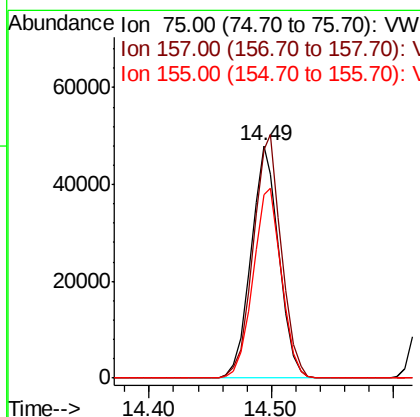
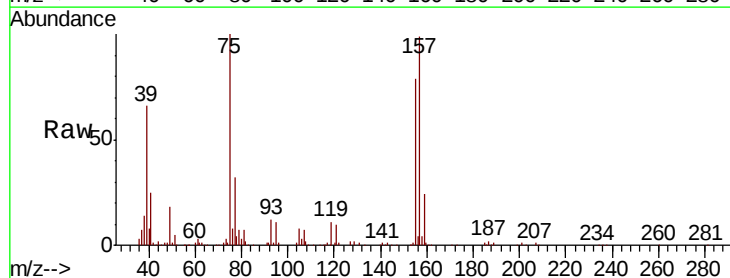
Instrument :
 MSVOA_W
 ClientSampleId :

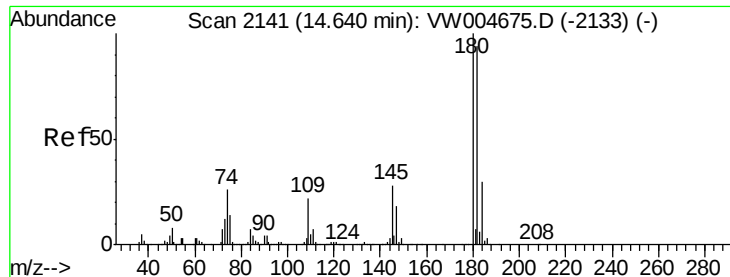
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	32.9	49.3
148	64.0	50.7	76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 24.321 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW004688.D
 Acq: 15 Aug 2018 09:44

Tgt Ion	Ratio	Lower	Upper
75	100		
157	98.6	81.8	122.8
155	78.8	65.4	98.0

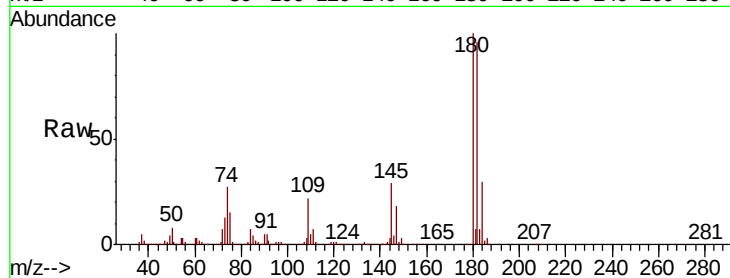




#67
 1,3,5-Trichlorobenzene
 Concen: 25.917 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VW004688.D
 Acq: 15 Aug 2018 09:44

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.1	114.1
184	30.4	24.2	36.4
145	28.9	22.6	34.0



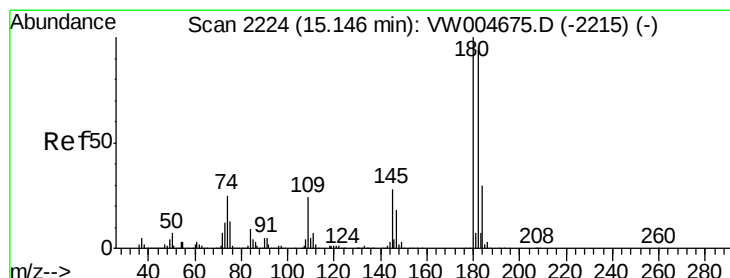
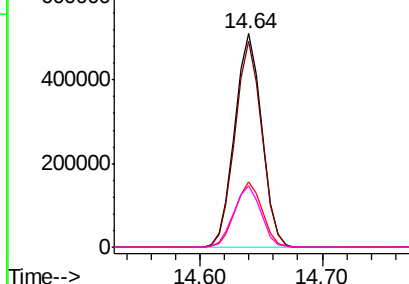
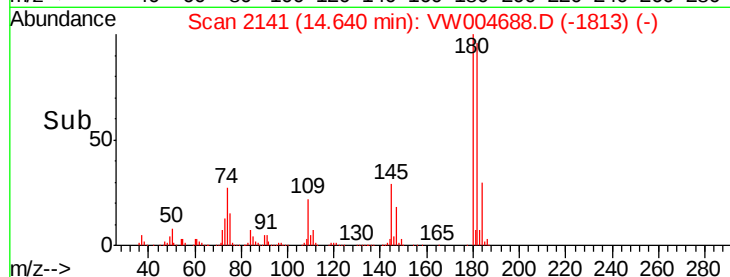
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

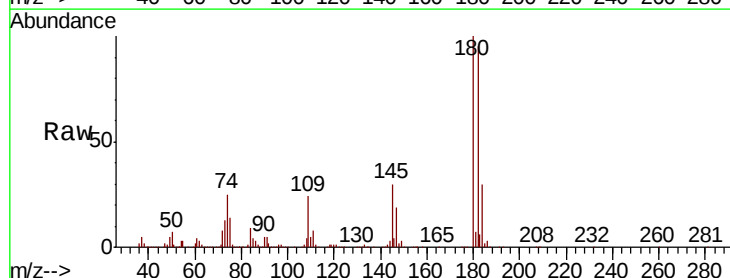
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 26.313 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW004688.D
 Acq: 15 Aug 2018 09:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.7	115.1
145	29.8	23.4	35.2

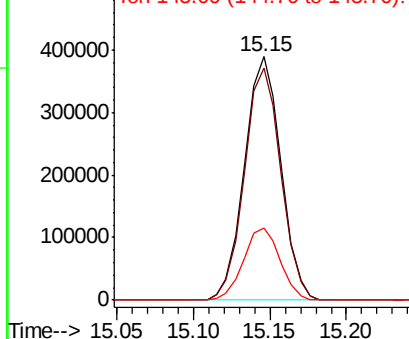
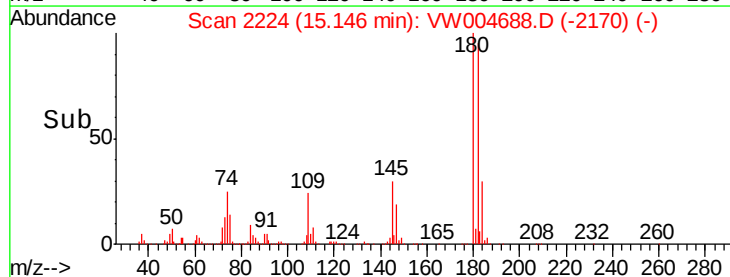


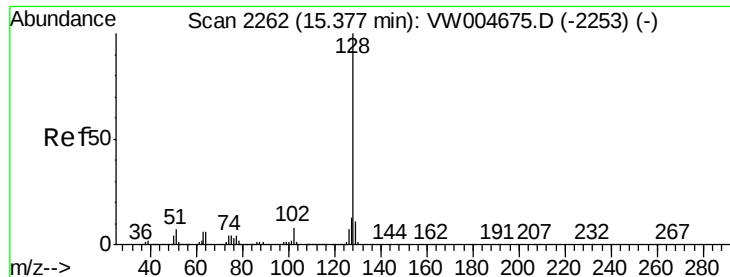
Abundance

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: 26.938 ug/L

RT: 15.38 min Scan# 2263

Delta R.T. 0.01 min

Lab File: VW004688.D

Acq: 15 Aug 2018 09:44

Instrument :

MSVOA_W

ClientSampled :

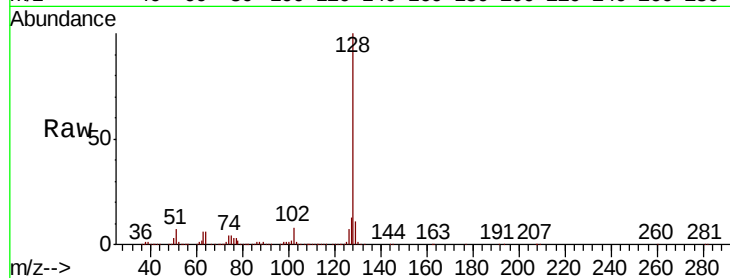
Tot Ion:128 Resp: 1356297

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

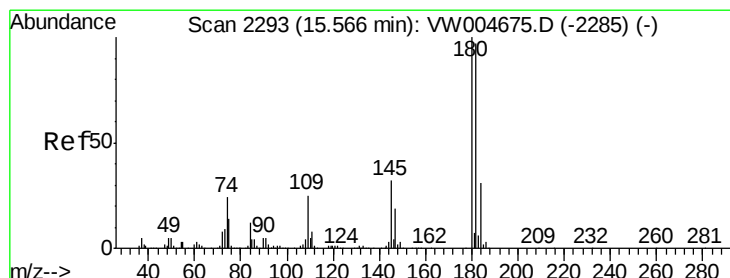
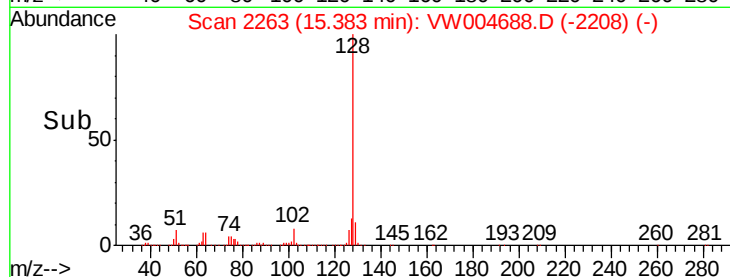
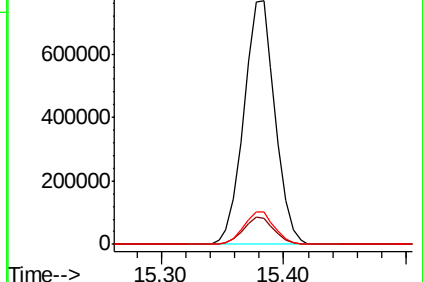
127 13.2 10.6 15.8



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: 26.255 ug/L

RT: 15.57 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VW004688.D

Acq: 15 Aug 2018 09:44

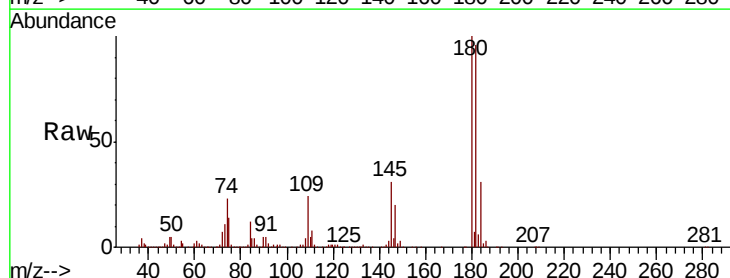
Tgt Ion:180 Resp: 613039

Ion Ratio Lower Upper

180 100

182 94.6 75.8 113.8

145 31.0 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

