

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081818\
 Data File : VW004733.D
 Acq On : 16 Aug 2018 18:02
 Operator : SY/AP
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 16 18:27:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081418S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 16 02:39:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	907901	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	888254	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	464834	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	300916	20.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.40%
7) Chloroethane-d5	2.89	69	249841	22.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.56%
10) 1,1-Dichloroethene-d2	4.01	63	603363	22.86	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.44%
20) 2-Butanone-d5	7.09	46	182342	46.70	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.40%
24) Chloroform-d	7.65	84	596013	24.50	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.00%
26) 1,2-Dichloroethane-d4	8.31	65	315569	24.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.92%
29) Benzene-d6	8.27	84	1184918	23.79	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.16%
33) 1,2-Dichloropropane-d6	9.27	67	368005	23.78	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.12%
37) Toluene-d8	10.33	98	1075159	24.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.20%
38) trans-1,3-Dichloropropene-	10.58	79	150882	24.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.08%
39) 2-Hexanone-d5	10.93	63	155627	50.33	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.66%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	362182	24.95	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.80%
61) 1,2-Dichlorobenzene-d4	13.86	152	420988	23.87	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.48%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	247875	22.819	ug/L	98
3) Chloromethane	2.21	50	276102	21.430	ug/L	99
5) Vinyl chloride	2.37	62	461265	24.667	ug/L	98
6) Bromomethane	2.78	94	250496	23.373	ug/L	100
8) Chloroethane	2.93	64	253606	24.178	ug/L	95
9) Trichlorofluoromethane	3.26	101	203686	21.619	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	355966	25.707	ug/L	98
12) 1,1-Dichloroethene	4.03	96	341596	25.128	ug/L	99
13) Acetone	4.14	43	177487	49.538	ug/L	99
14) Carbon disulfide	4.37	76	1136667	23.982	ug/L	99
15) Methyl Acetate	4.67	43	178771	23.088	ug/L	100
16) Methylene chloride	4.91	84	389533	21.477	ug/L	97
17) Methyl tert-butyl Ether	5.43	73	440932	24.835	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	347912	24.923	ug/L	99
19) 1,1-Dichloroethane	6.21	63	628978	25.467	ug/L	98
21) 2-Butanone	7.18	43	236390	47.174	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	374757	25.447	ug/L	98

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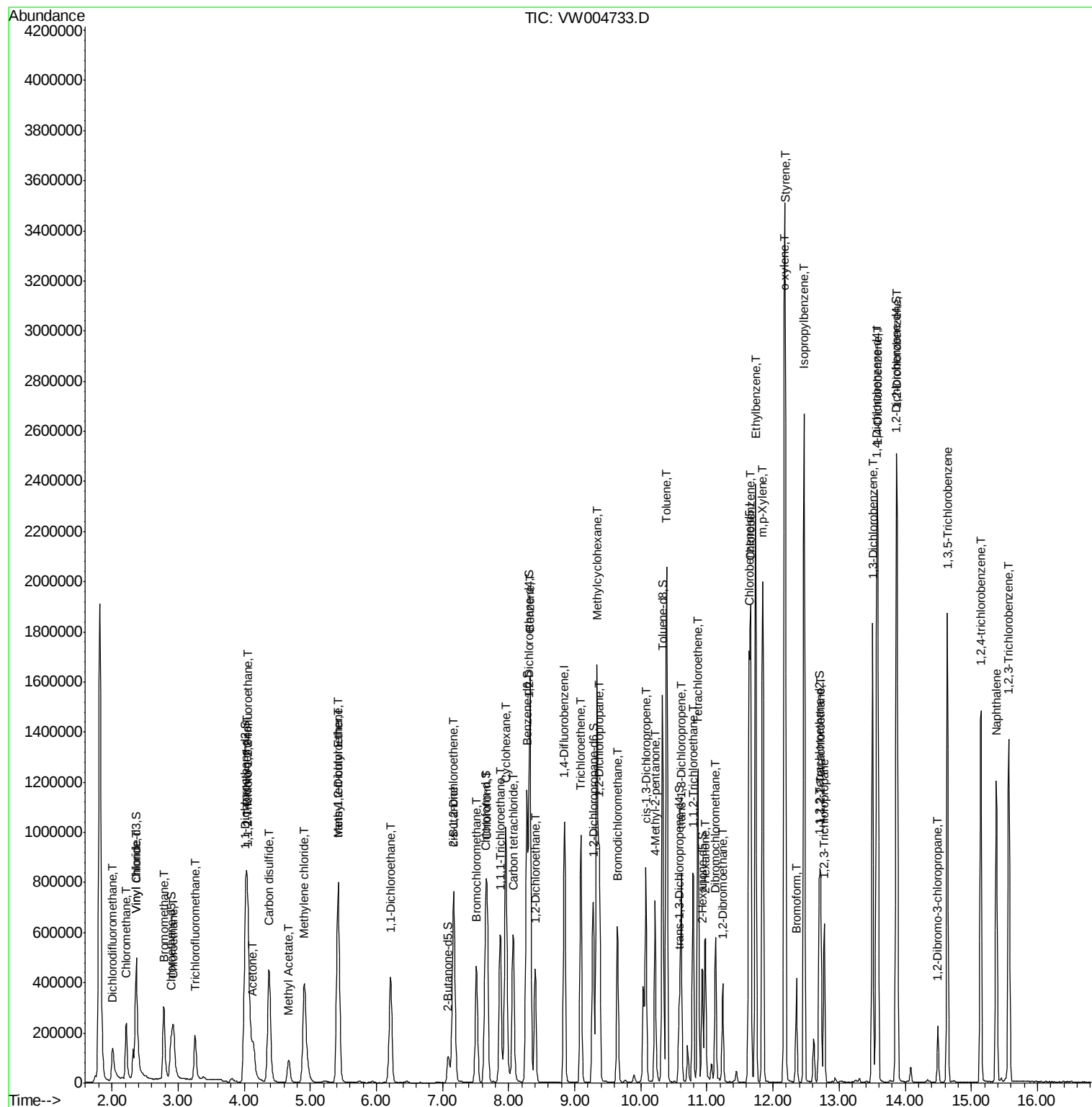
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	172770	25.150	ug/L	99
25) Chloroform	7.68	83	630155	25.640	ug/L	100
27) 1,2-Dichloroethane	8.40	62	398553	25.083	ug/L	99
30) Cyclohexane	7.96	56	604768	26.052	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	497836	25.052	ug/L	100
32) Carbon tetrachloride	8.07	117	470701	24.896	ug/L	99
34) Benzene	8.32	78	1444411	25.546	ug/L	100
35) Trichloroethene	9.09	95	356781	25.075	ug/L	99
36) Methylcyclohexane	9.34	83	693928	26.137	ug/L	100
40) 1,2-Dichloropropane	9.37	63	370783	25.844	ug/L	100
41) Bromodichloromethane	9.65	83	427302	25.491	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	513972	25.740	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	469427	49.415	ug/L	100
44) Toluene	10.39	91	1524216	26.622	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	460146	26.135	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	277439	25.585	ug/L	98
47) Tetrachloroethene	10.87	164	300627	25.466	ug/L	99
49) 2-Hexanone	10.98	43	362253	52.359	ug/L	99
50) Dibromochloromethane	11.13	129	317152	26.002	ug/L	98
51) 1,2-Dibromoethane	11.24	107	265945	25.441	ug/L	98
52) Chlorobenzene	11.66	112	992201	25.955	ug/L	99
53) Ethylbenzene	11.74	91	1712817	26.856	ug/L	99
54) m,p-Xylene	11.84	106	657692	27.137	ug/L	99
55) o-xylene	12.17	106	622658	27.182	ug/L	100
56) Styrene	12.19	104	1103855	28.094	ug/L	98
57) Isopropylbenzene	12.47	105	1698135	27.373	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	373844	25.001	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	274238	24.910	ug/L	99
62) Bromoform	12.35	173	195581	24.480	ug/L	100
63) 1,3-Dichlorobenzene	13.51	146	762883	25.588	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	808699	25.394	ug/L	100
65) 1,2-Dichlorobenzene	13.88	146	749435	25.486	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	57037	23.017	ug/L	94
67) 1,3,5-Trichlorobenzene	14.64	180	619605	25.834	ug/L	100
68) 1,2,4-trichlorobenzene	15.15	180	505252	26.004	ug/L	100
69) Naphthalene	15.38	128	1033507	25.844	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	493729	26.623	ug/L	99

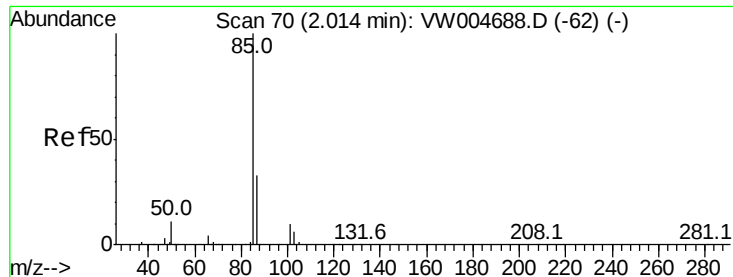
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.819 ug/L

RT: 2.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VW004733.D

Acq: 16 Aug 2018 18:02

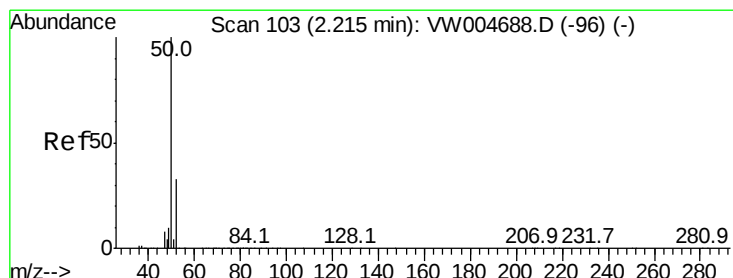
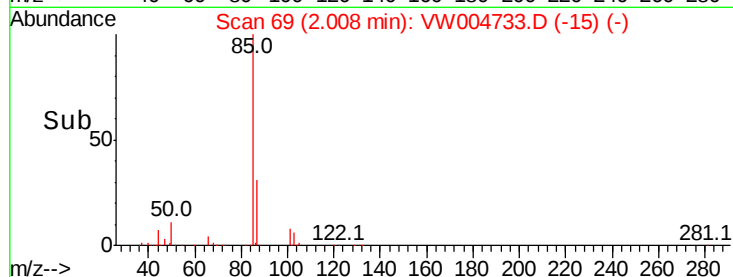
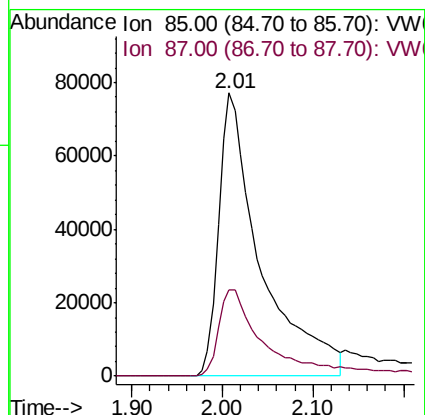
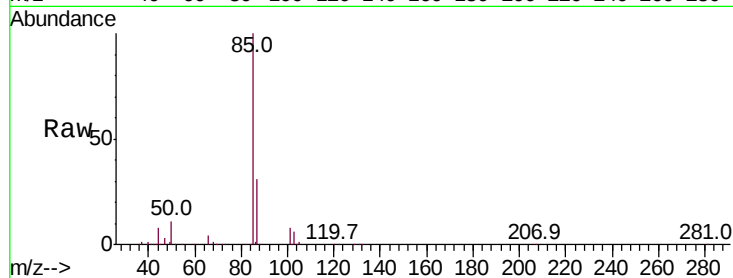
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 85 Resp: 247875

Ion Ratio Lower Upper

85 100

87 29.5 19.9 37.0



#3

Chloromethane

Concen: 21.430 ug/L

RT: 2.21 min Scan# 103

Delta R.T. -0.00 min

Lab File: VW004733.D

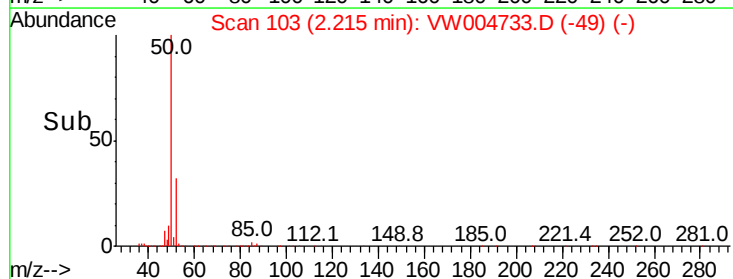
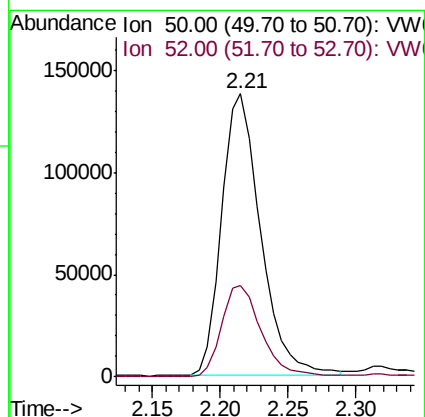
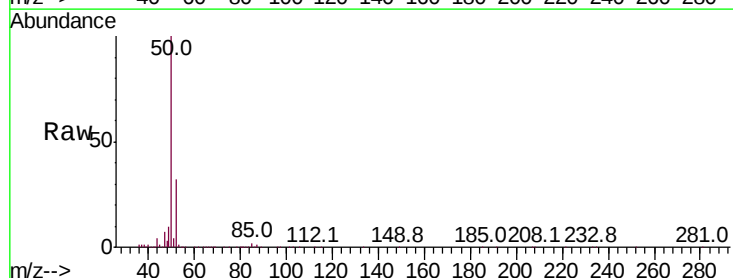
Acq: 16 Aug 2018 18:02

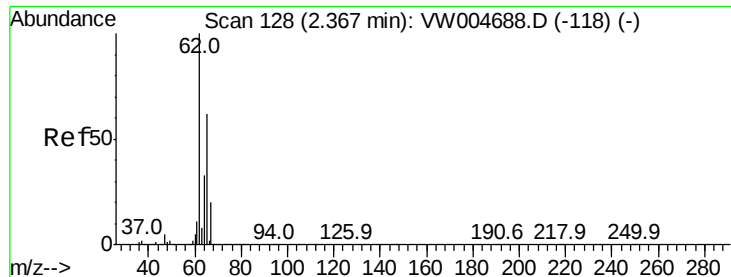
Tgt Ion: 50 Resp: 276102

Ion Ratio Lower Upper

50 100

52 32.3 22.4 41.6





#5

Vinyl chloride

Concen: 24.667 ug/L

RT: 2.37 min Scan# 128

Delta R.T. -0.01 min

Lab File: VW004733.D

Acq: 16 Aug 2018 18:02

Instrument :

MSVOA_W

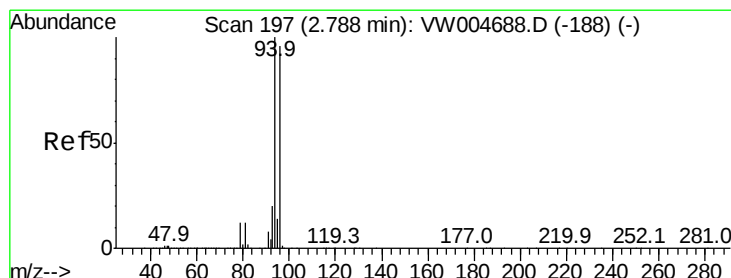
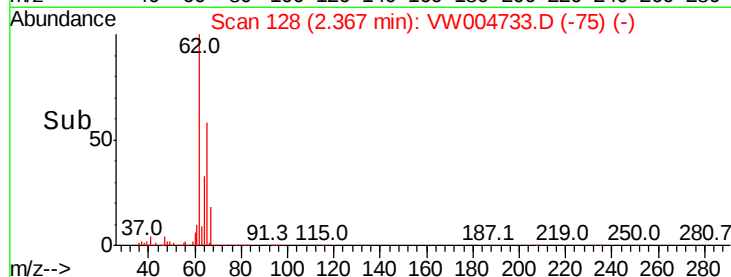
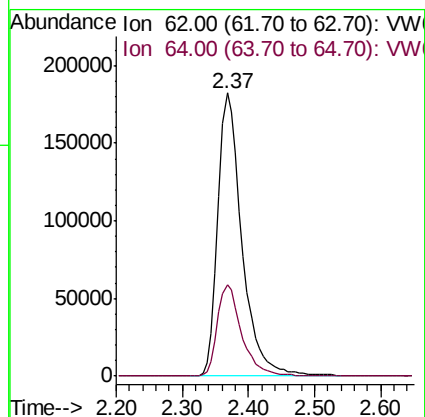
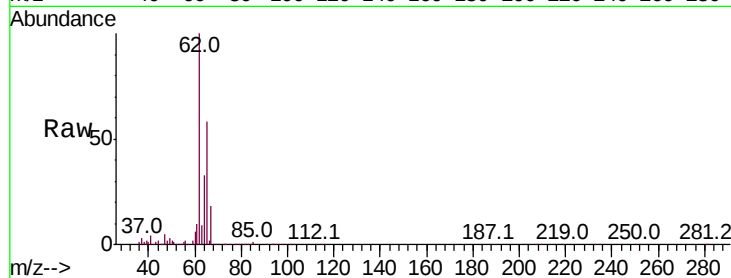
ClientSampled :

Tot Ion: 62 Resp: 461265

Ion Ratio Lower Upper

62 100

64 32.5 23.7 43.9



#6

Bromomethane

Concen: 23.373 ug/L

RT: 2.78 min Scan# 196

Delta R.T. -0.01 min

Lab File: VW004733.D

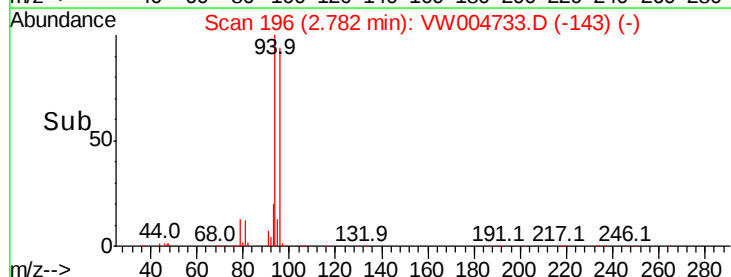
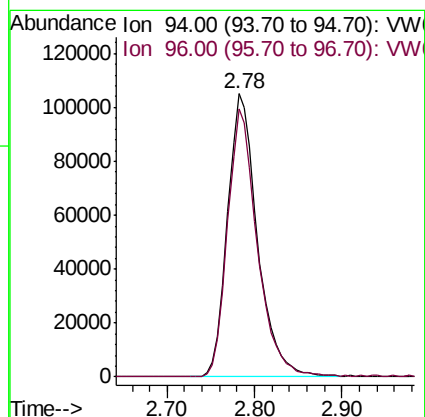
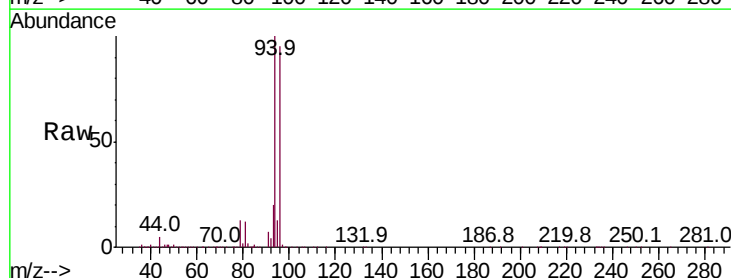
Acq: 16 Aug 2018 18:02

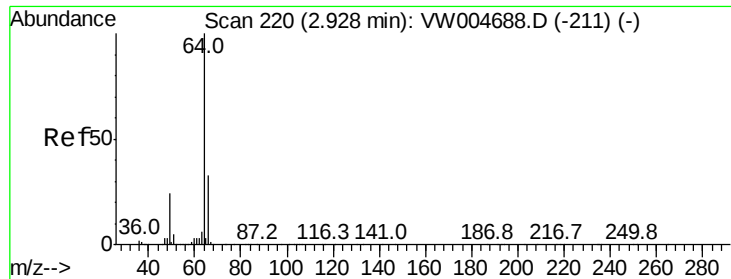
Tgt Ion: 94 Resp: 250496

Ion Ratio Lower Upper

94 100

96 93.2 9.3 177.7





#8

Chloroethane

Concen: 24.178 ug/L

RT: 2.93 min Scan# 220

Delta R.T. -0.00 min

Lab File: VW004733.D

Acq: 16 Aug 2018 18:02

Instrument :

MSVOA_W

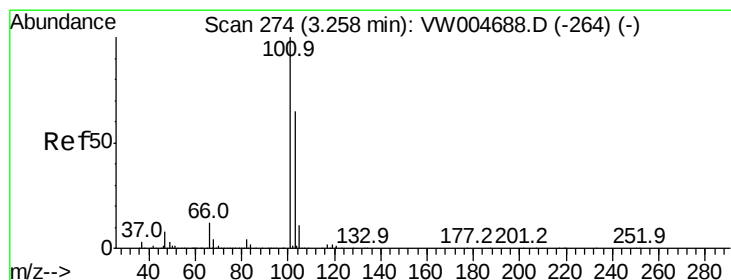
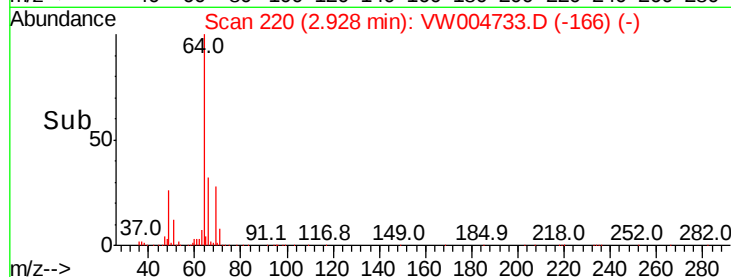
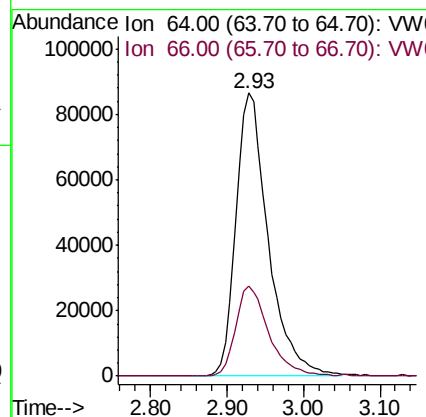
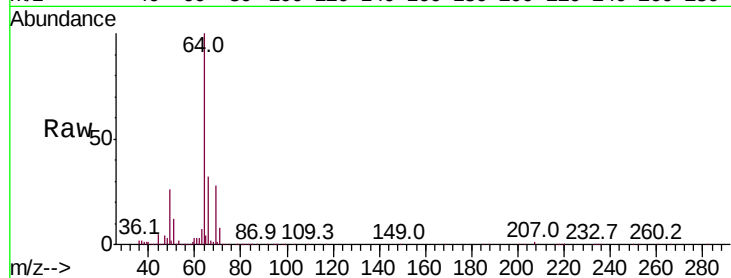
ClientSampleId :

Tot Ion: 64 Resp: 253606

Ion Ratio Lower Upper

64 100

66 32.0 24.2 45.0



#9

Trichlorofluoromethane

Concen: 21.619 ug/L

RT: 3.26 min Scan# 274

Delta R.T. -0.00 min

Lab File: VW004733.D

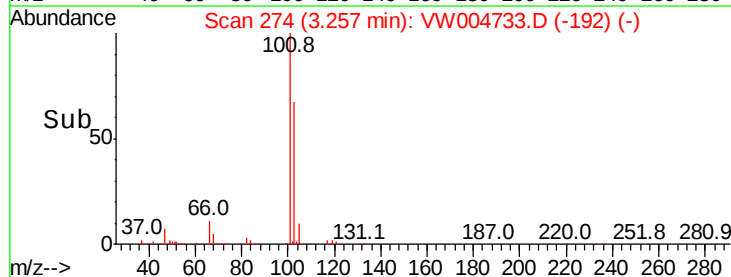
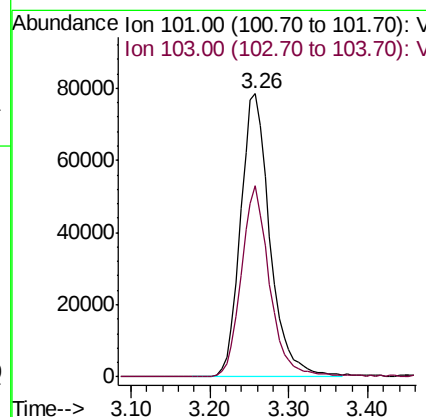
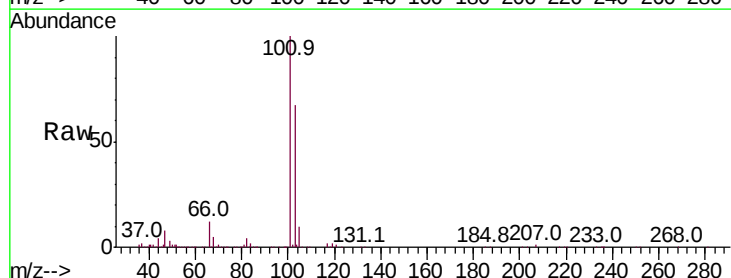
Acq: 16 Aug 2018 18:02

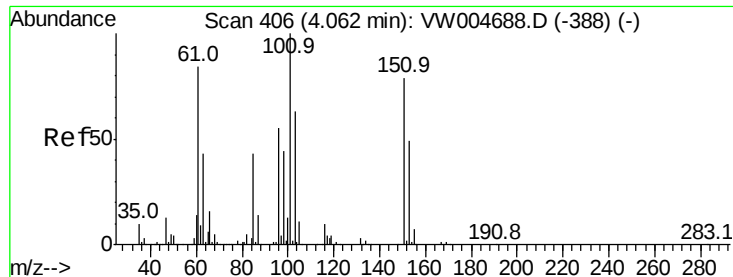
Tgt Ion: 101 Resp: 203686

Ion Ratio Lower Upper

101 100

103 64.9 45.1 83.7





#11

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

Concen: 25.707 ug/L

RT: 4.06 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW004733.D

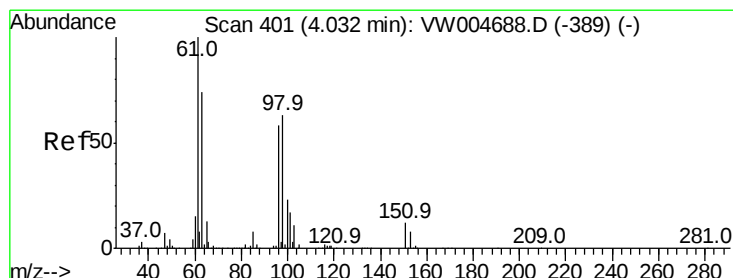
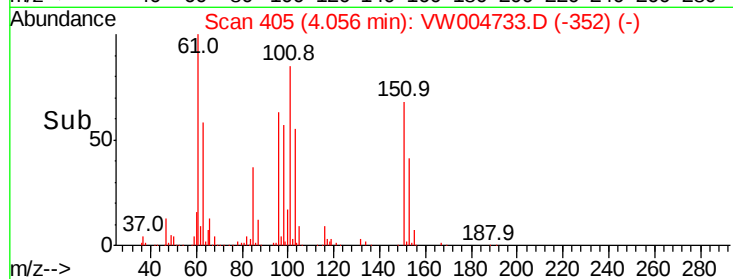
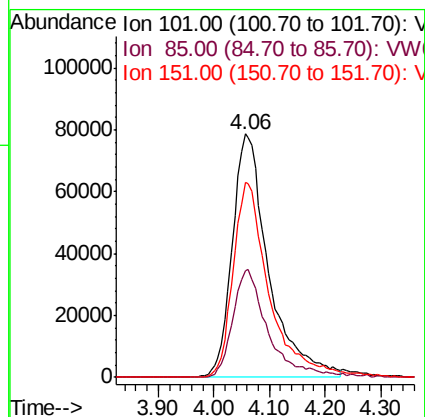
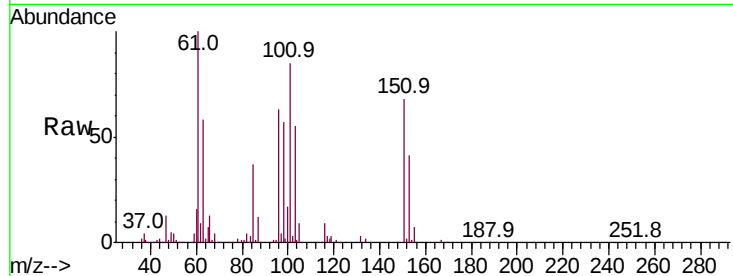
Acq: 16 Aug 2018 18:02

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:	101	Resp:	355966
Ion	Ratio	Lower	Upper
101	100		
85	41.9	33.2	49.8
151	77.0	63.0	94.6



#12

1,1-Dichloroethene

Concen: 25.128 ug/L

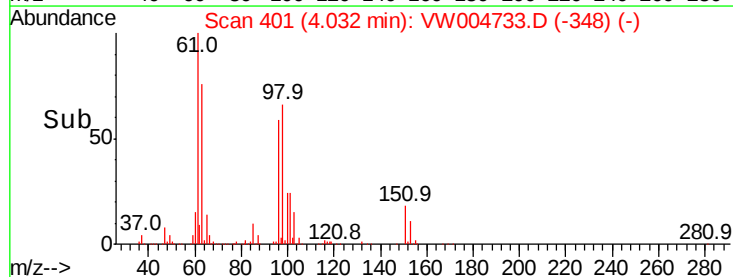
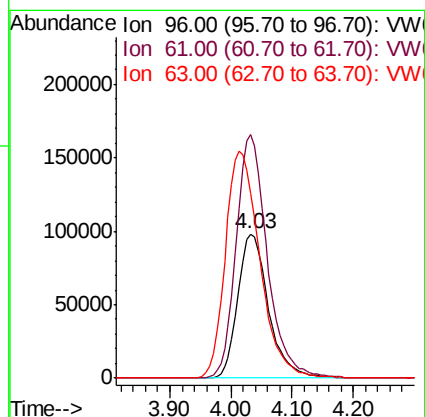
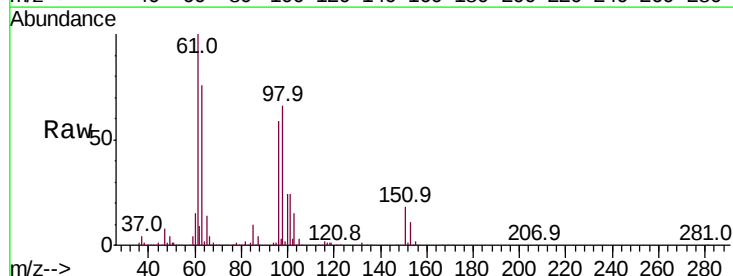
RT: 4.03 min Scan# 401

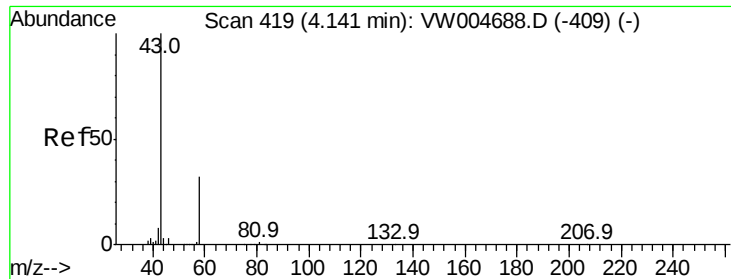
Delta R.T. -0.01 min

Lab File: VW004733.D

Acq: 16 Aug 2018 18:02

Tgt Ion:	96	Resp:	341596
Ion	Ratio	Lower	Upper
96	100		
61	168.7	118.9	220.7
63	128.0	88.9	165.1





#13

Acetone

Concen: 49.538 ug/L

RT: 4.14 min Scan# 418

Delta R.T. -0.00 min

Lab File: VW004733.D

Acq: 16 Aug 2018 18:02

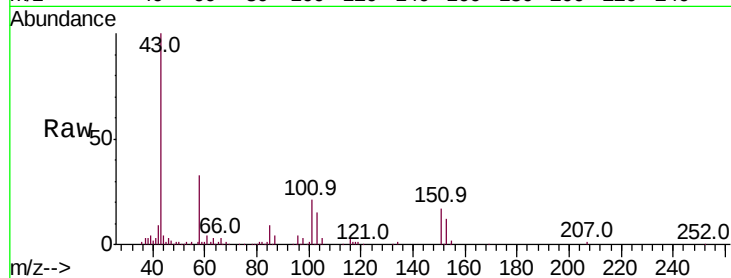
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 177487

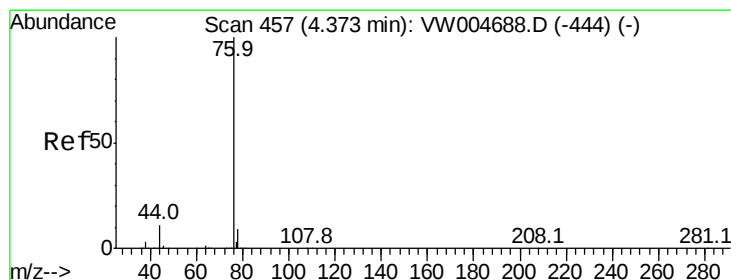
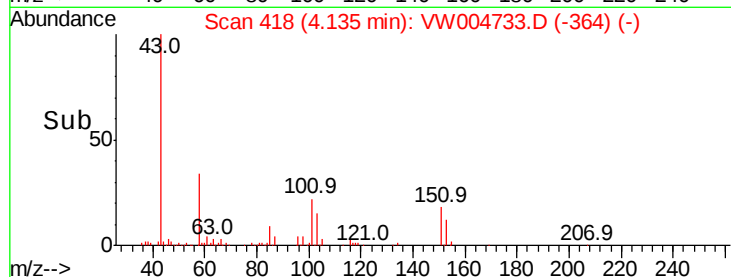
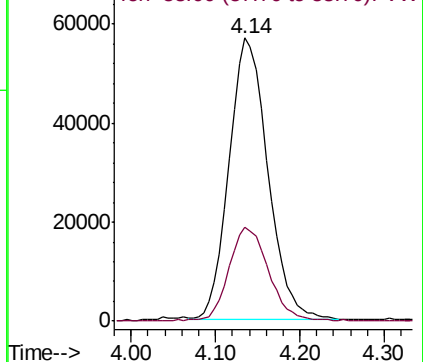
Ion Ratio Lower Upper

43 100

58 34.0 0.0 69.4



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 23.982 ug/L

RT: 4.37 min Scan# 457

Delta R.T. -0.01 min

Lab File: VW004733.D

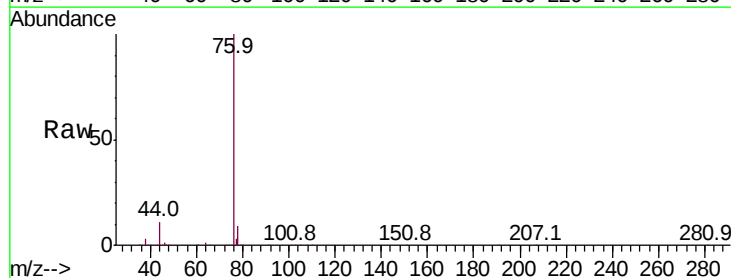
Acq: 16 Aug 2018 18:02

Tgt Ion: 76 Resp: 1136667

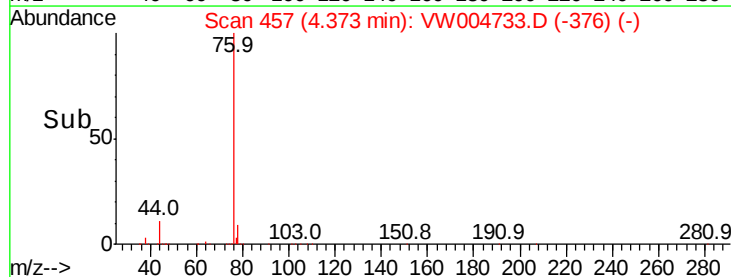
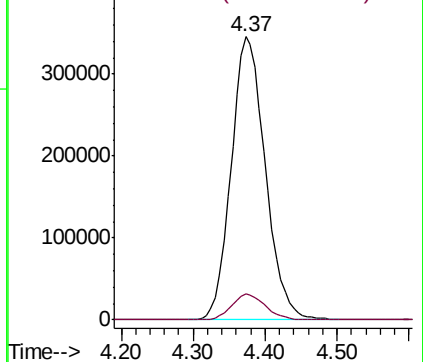
Ion Ratio Lower Upper

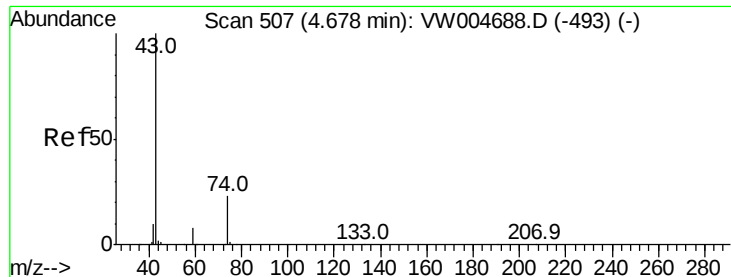
76 100

78 9.0 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VW
Ion 78.00 (77.70 to 78.70): VW





#15

Methvl Acetate

Concen: 23.088 ug/L

RT: 4.67 min Scan# 506

Delta R.T. -0.01 min

Lab File: VW004733.D

Acq: 16 Aug 2018 18:02

Instrument :

MSVOA_W

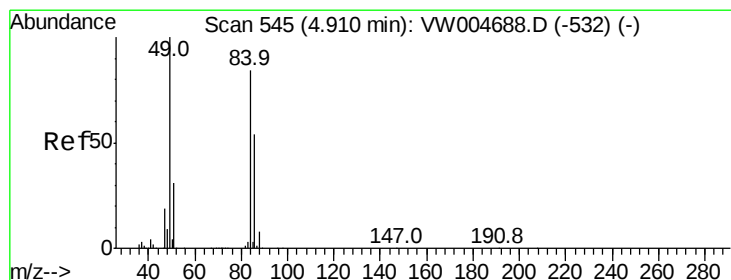
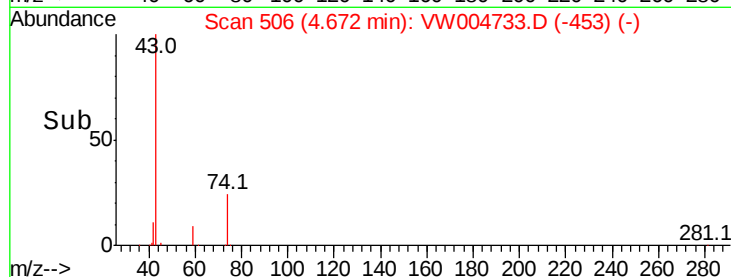
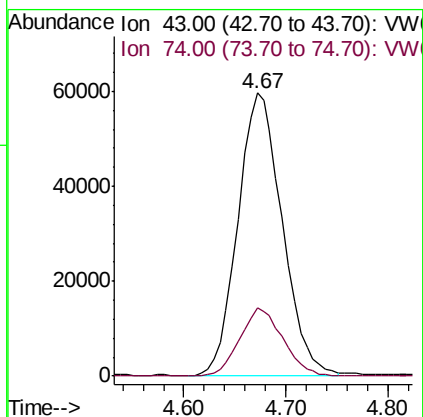
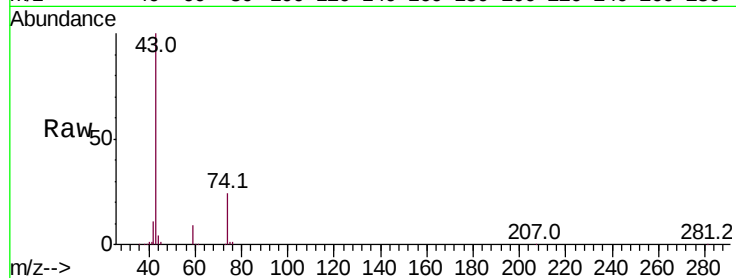
ClientSampleId :

Tot Ion: 43 Resp: 178771

Ion Ratio Lower Upper

43 100

74 23.6 18.8 28.2



#16

Methylene chloride

Concen: 21.477 ug/L

RT: 4.91 min Scan# 545

Delta R.T. -0.01 min

Lab File: VW004733.D

Acq: 16 Aug 2018 18:02

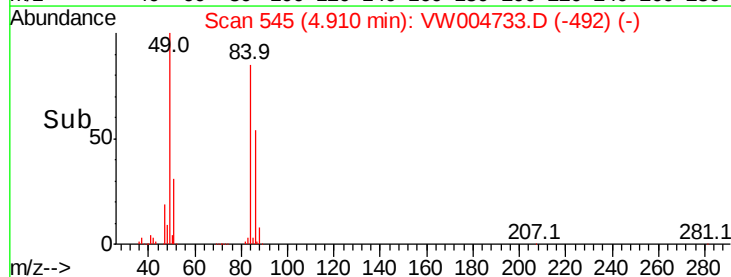
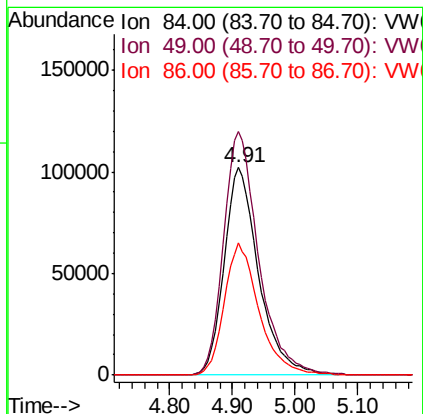
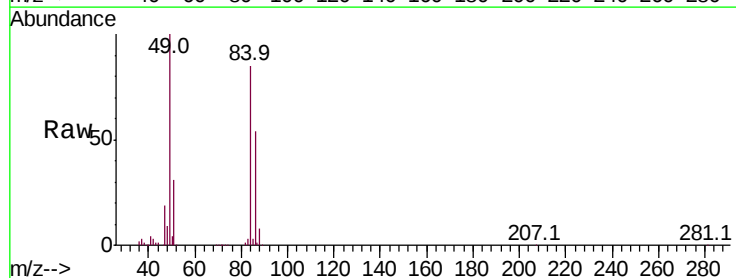
Tgt Ion: 84 Resp: 389533

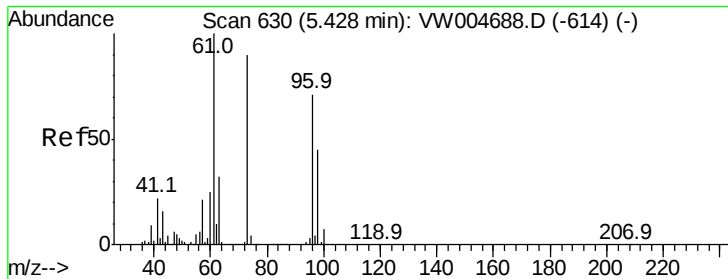
Ion Ratio Lower Upper

84 100

49 117.5 84.9 157.7

86 63.8 45.7 84.9

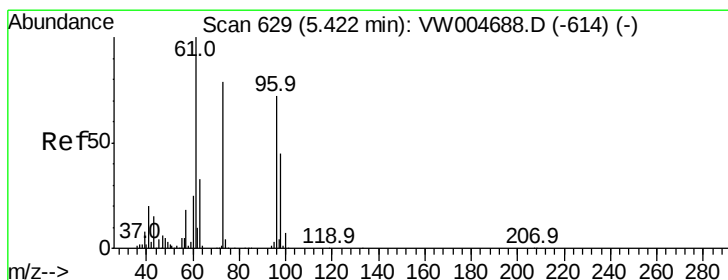
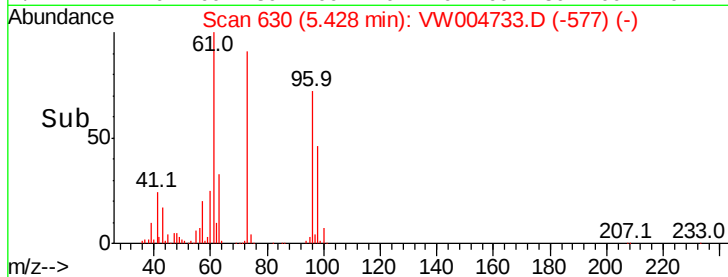
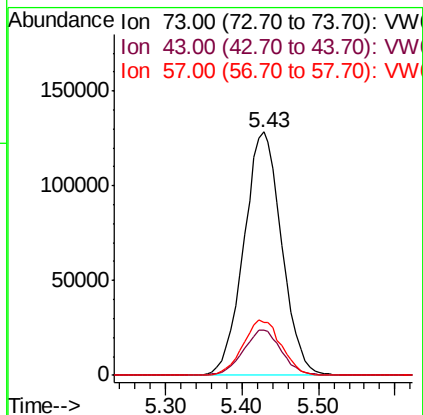
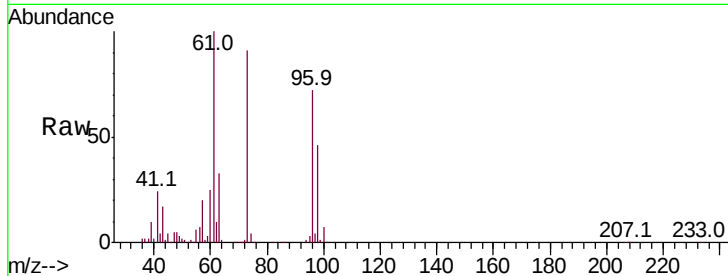




#17
Methvl tert-butvl Ether
Concen: 24.835 ug/L
RT: 5.43 min Scan# 630
Delta R.T. -0.01 min
Lab File: VW004733.D
Acq: 16 Aug 2018 18:02

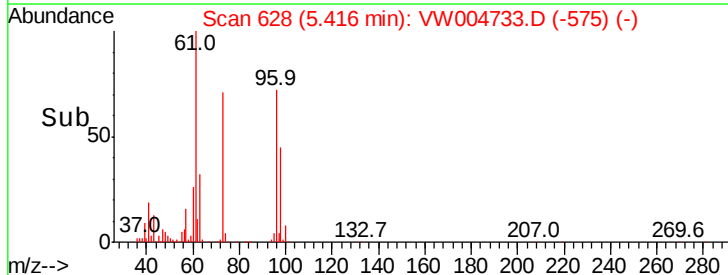
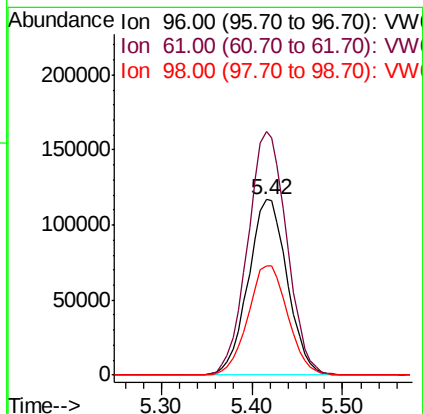
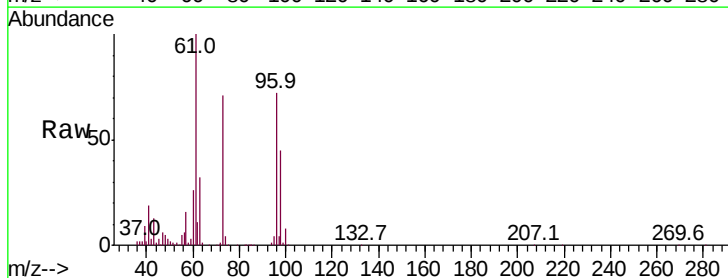
Instrument :
MSVOA_W
ClientSampleId :

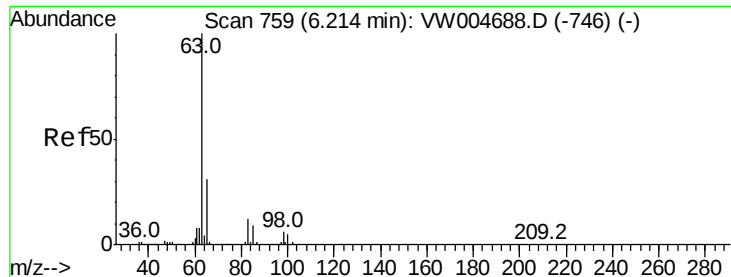
Tot Ion: 73 Resp: 440932
Ion Ratio Lower Upper
73 100
43 18.5 15.0 22.6
57 22.9 18.6 27.8



#18
trans-1,2-Dichloroethene
Concen: 24.923 ug/L
RT: 5.42 min Scan# 628
Delta R.T. -0.01 min
Lab File: VW004733.D
Acq: 16 Aug 2018 18:02

Tgt Ion: 96 Resp: 347912
Ion Ratio Lower Upper
96 100
61 138.8 96.1 178.5
98 62.5 43.3 80.5





#19

1,1-Dichloroethane

Concen: 25.467 ug/L

RT: 6.21 min Scan# 759

Delta R.T. -0.01 min

Lab File: VW004733.D

Acq: 16 Aug 2018 18:02

Instrument :

MSVOA_W

ClientSampled :

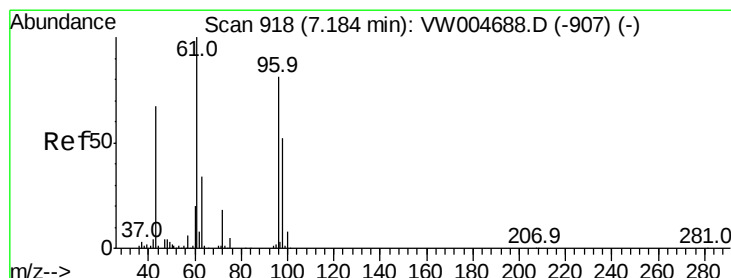
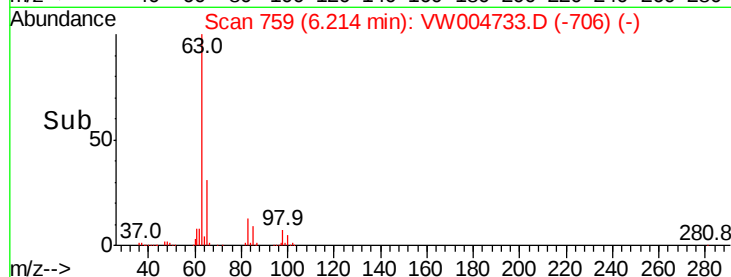
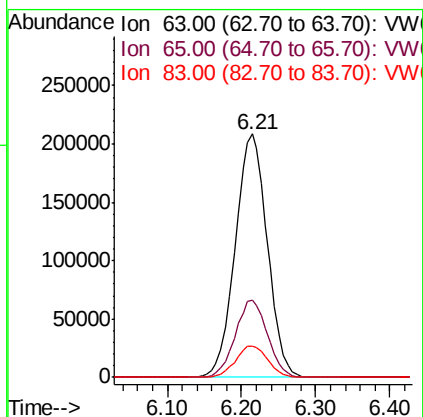
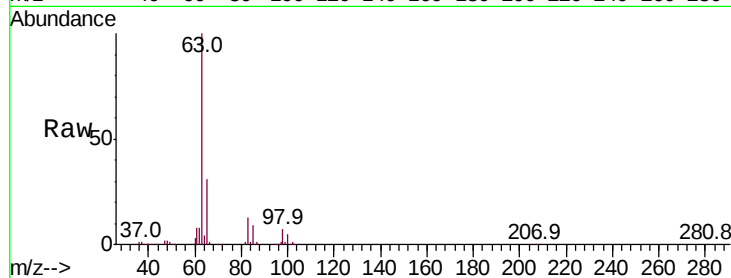
Tot Ion: 63 Resp: 628978

Ion Ratio Lower Upper

63 100

65 31.5 21.2 39.4

83 12.6 9.2 17.0



#21

2-Butanone

Concen: 47.174 ug/L

RT: 7.18 min Scan# 917

Delta R.T. -0.00 min

Lab File: VW004733.D

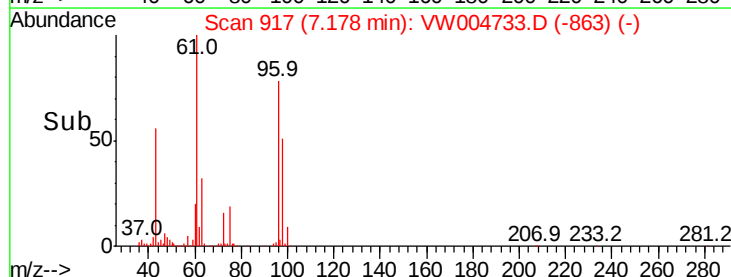
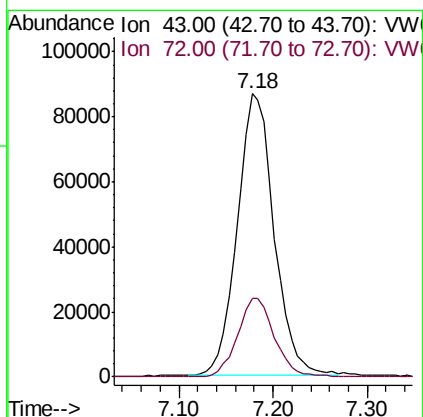
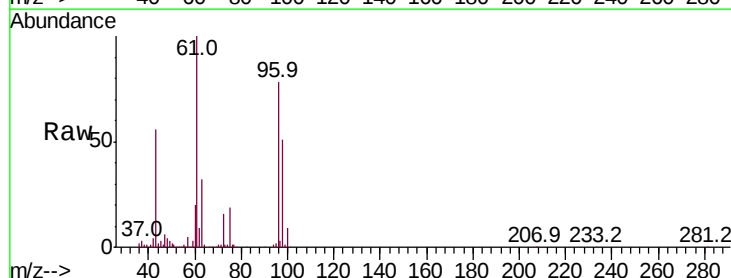
Acq: 16 Aug 2018 18:02

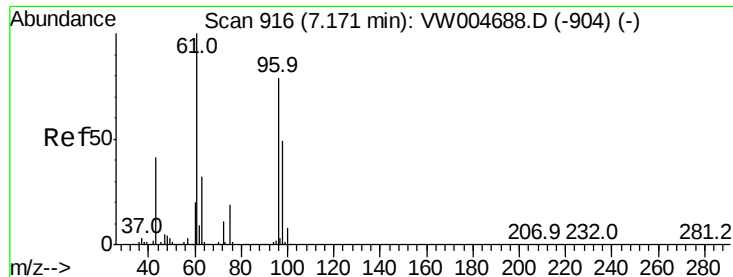
Tgt Ion: 43 Resp: 236390

Ion Ratio Lower Upper

43 100

72 27.8 14.1 42.2



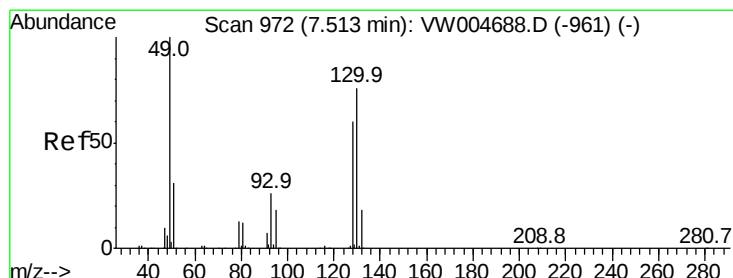
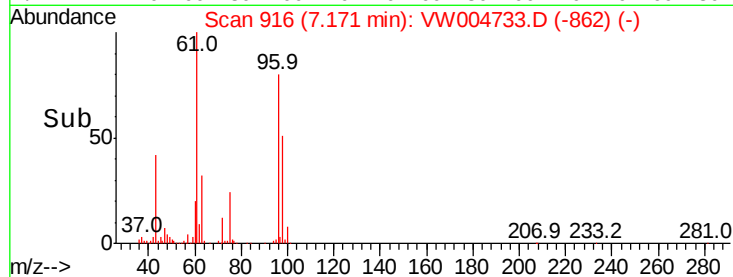
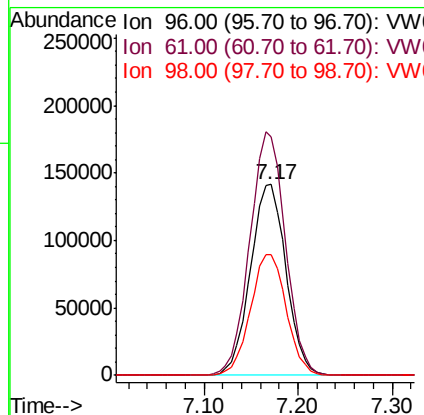
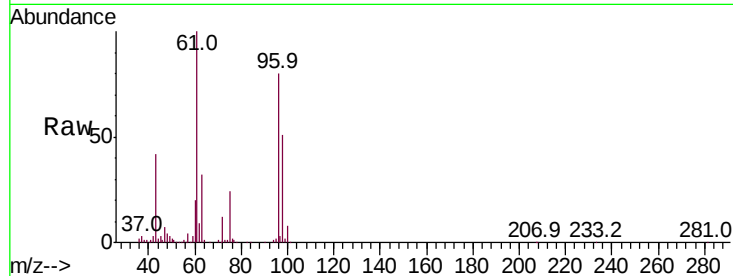


#22

cis-1,2-Dichloroethene
 Concen: 25.447 ug/L
 RT: 7.17 min Scan# 916
 Delta R.T. -0.00 min
 Lab File: VW004733.D
 Acq: 16 Aug 2018 18:02

Instrument :
 MSVOA_W
 ClientSampled :

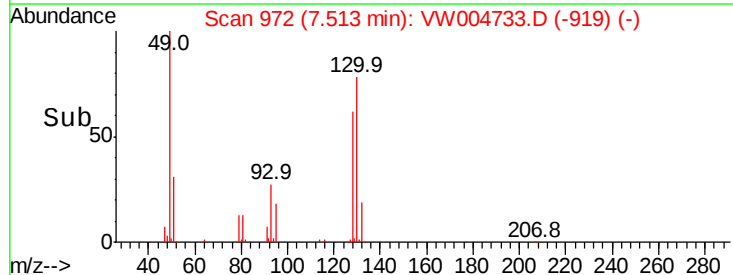
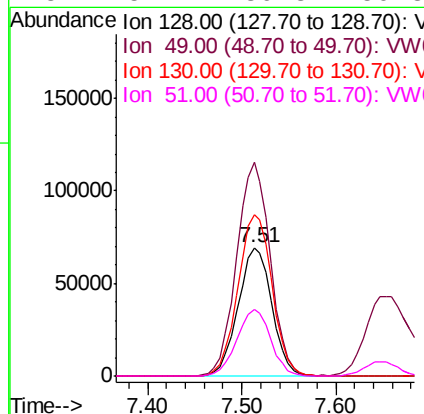
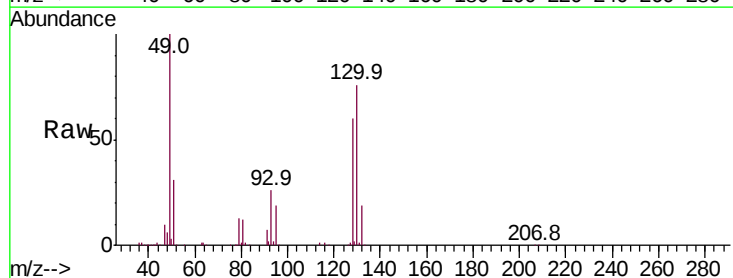
Tot Ion	Ratio	Lower	Upper
96	100		
61	124.9	89.6	166.4
98	63.2	44.5	82.7

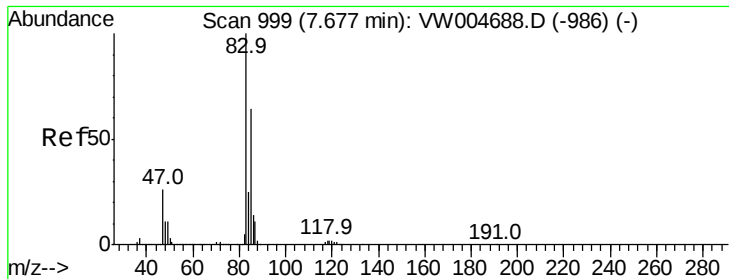


#23

Bromochloromethane
 Concen: 25.150 ug/L
 RT: 7.51 min Scan# 972
 Delta R.T. -0.01 min
 Lab File: VW004733.D
 Acq: 16 Aug 2018 18:02

Tgt Ion	Ratio	Lower	Upper
128	100		
49	166.5	116.0	215.4
130	126.2	86.6	160.8
51	51.7	39.8	59.8





#25

Chloroform

Concen: 25.640 ug/L

RT: 7.68 min Scan# 999

Delta R.T. -0.00 min

Lab File: VW004733.D

Acq: 16 Aug 2018 18:02

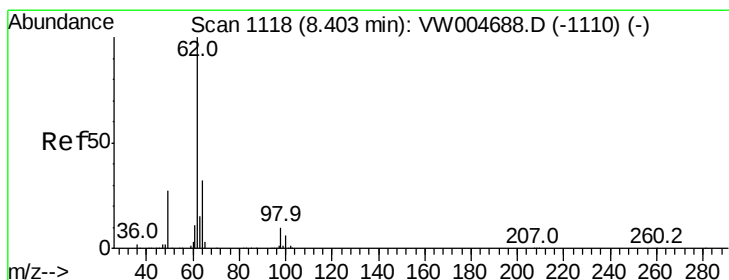
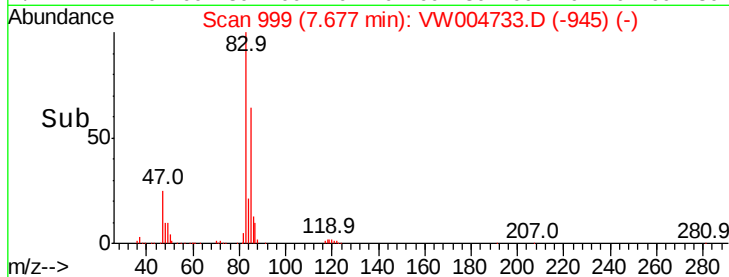
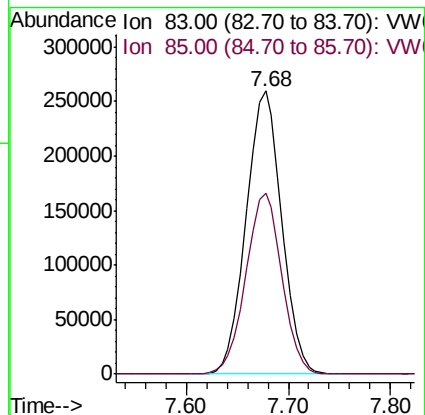
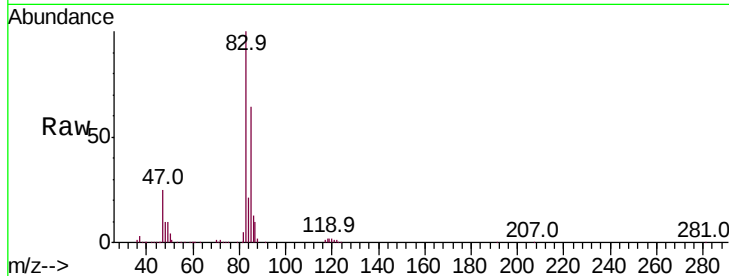
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 83 Resp: 630155

Ion Ratio Lower Upper

83 100

85 64.8 45.5 84.5



#27

1,2-Dichloroethane

Concen: 25.083 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. -0.00 min

Lab File: VW004733.D

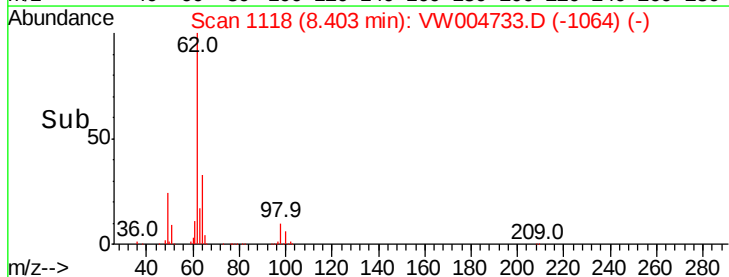
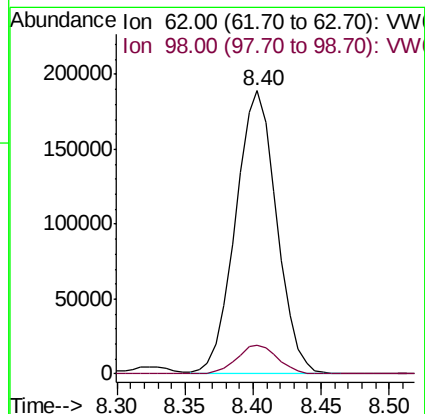
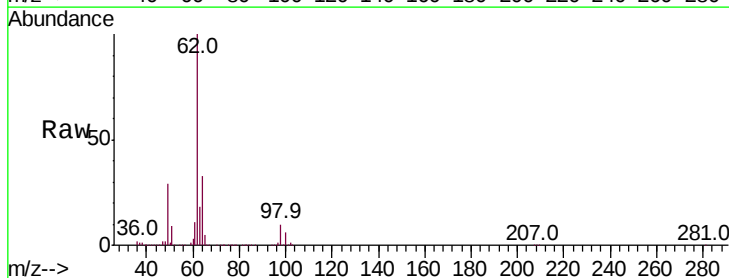
Acq: 16 Aug 2018 18:02

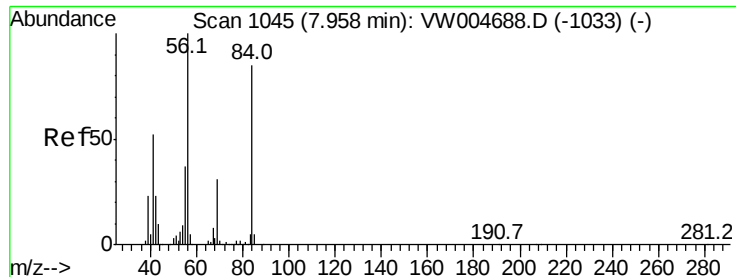
Tgt Ion: 62 Resp: 398553

Ion Ratio Lower Upper

62 100

98 10.2 7.8 11.8

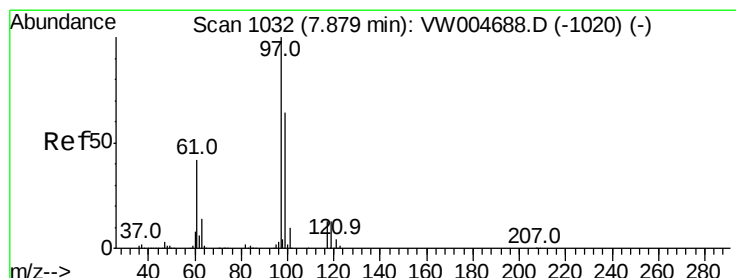
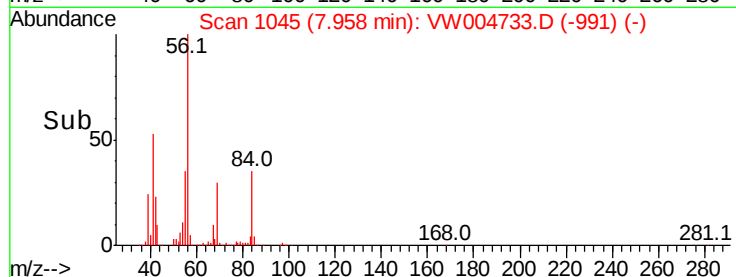
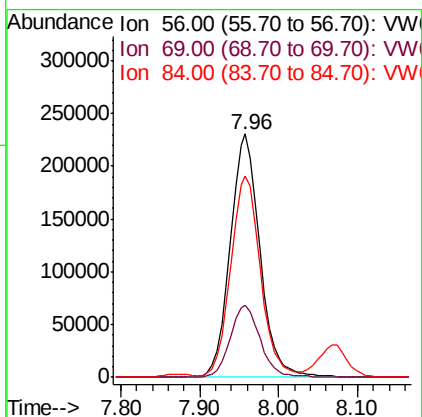
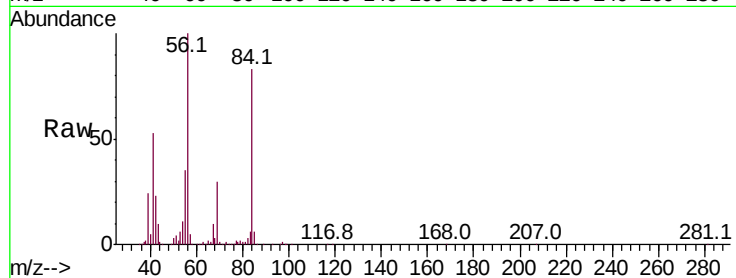




#30
Cyclohexane
Concen: 26.052 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VW004733.D
Acq: 16 Aug 2018 18:02

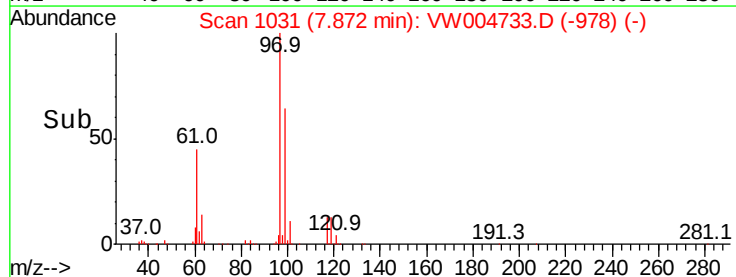
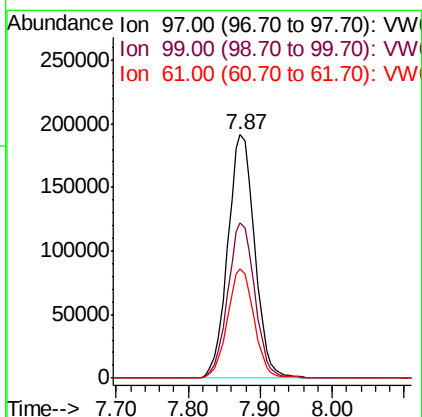
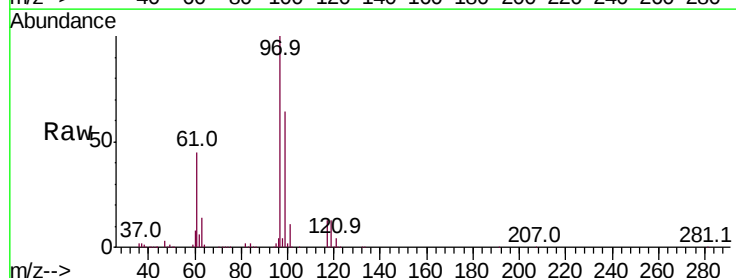
Instrument :
MSVOA_W
ClientSampleId :

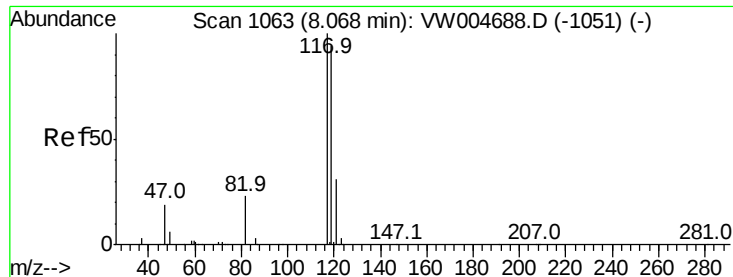
Tot Ion	56	Resp	604768
Ion Ratio	Lower	Upper	
56	100		
69	30.1	23.9	35.9
84	83.5	66.4	99.6



#31
1,1,1-Trichloroethane
Concen: 25.052 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VW004733.D
Acq: 16 Aug 2018 18:02

Tgt Ion	97	Resp	497836
Ion Ratio	Lower	Upper	
97	100		
99	64.3	51.3	76.9
61	44.5	35.6	53.4





#32

Carbon tetrachloride

Concen: 24.896 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. -0.01 min

Lab File: VW004733.D

Acq: 16 Aug 2018 18:02

Instrument :

MSVOA_W

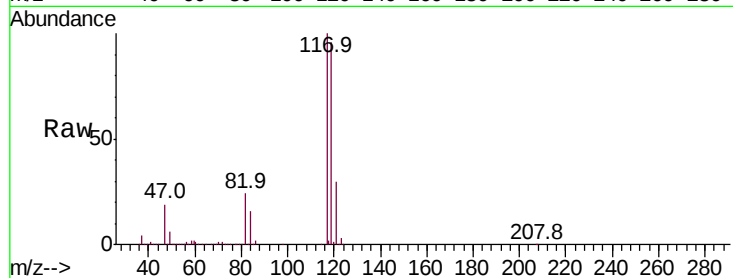
ClientSampleId :

Tot Ion:117 Resp: 470701

Ion Ratio Lower Upper

117 100

119 96.4 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

200000

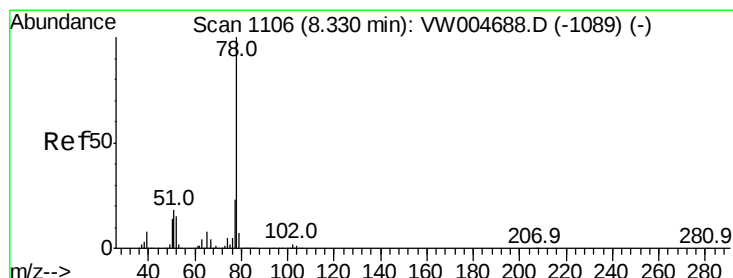
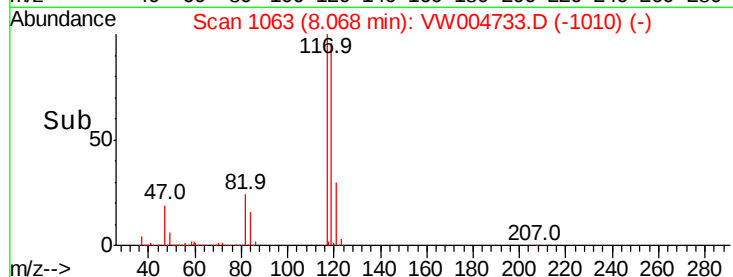
150000

100000

50000

0

Time-->



#34

Benzene

Concen: 25.546 ug/L

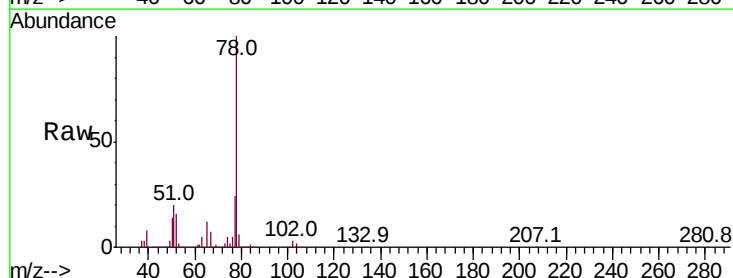
RT: 8.32 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VW004733.D

Acq: 16 Aug 2018 18:02

Tgt Ion: 78 Resp: 1444411



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

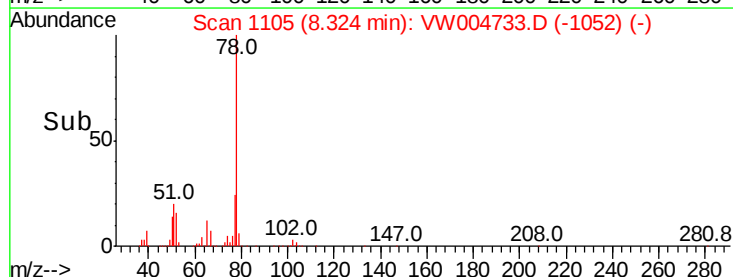
600000

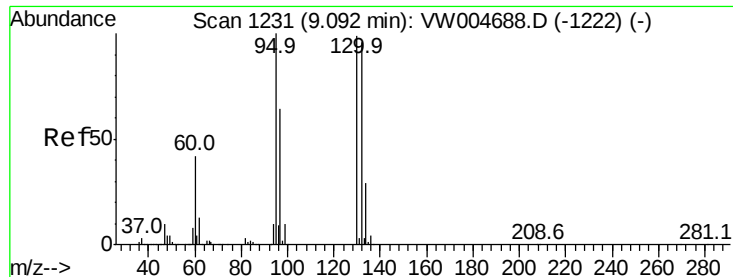
400000

200000

0

Time-->





#35

Trichloroethene

Concen: 25.075 ug/L

RT: 9.09 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VW004733.D

Acq: 16 Aug 2018 18:02

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 95 Resp: 356781

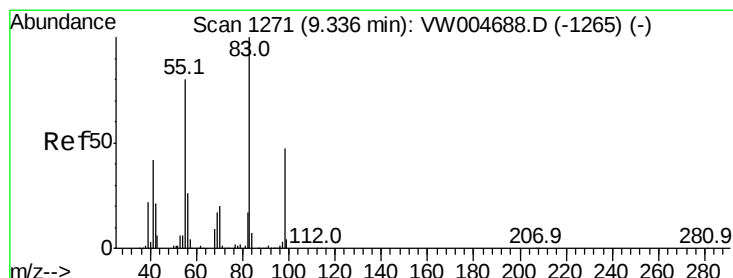
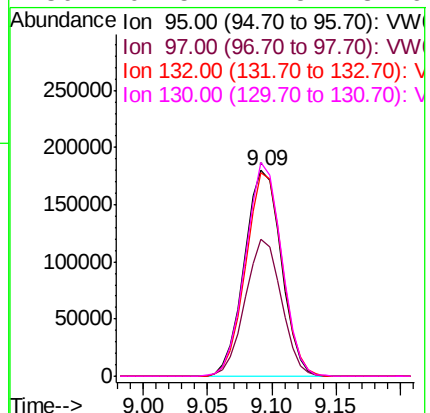
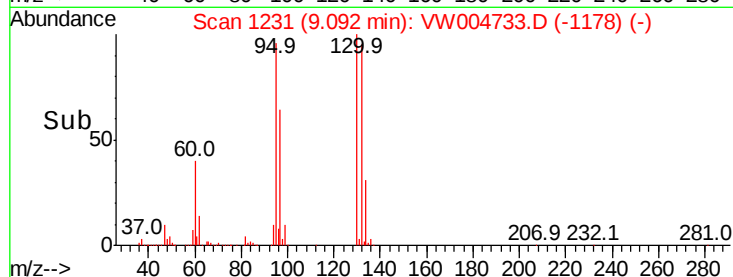
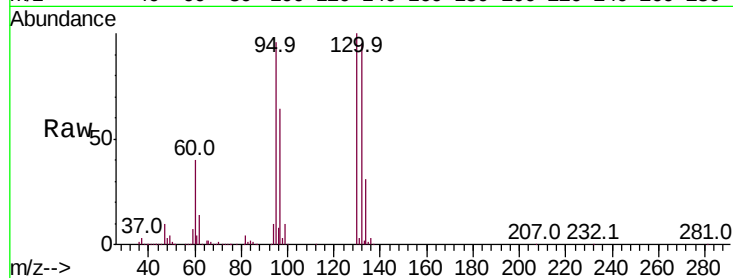
Ion Ratio Lower Upper

95 100

97 65.1 45.1 83.9

132 97.3 68.8 127.8

130 101.5 71.5 132.9



#36

Methylcyclohexane

Concen: 26.137 ug/L

RT: 9.34 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VW004733.D

Acq: 16 Aug 2018 18:02

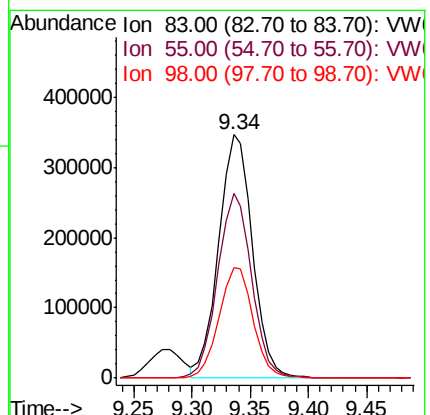
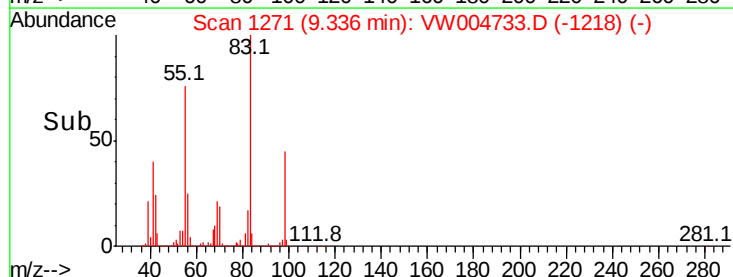
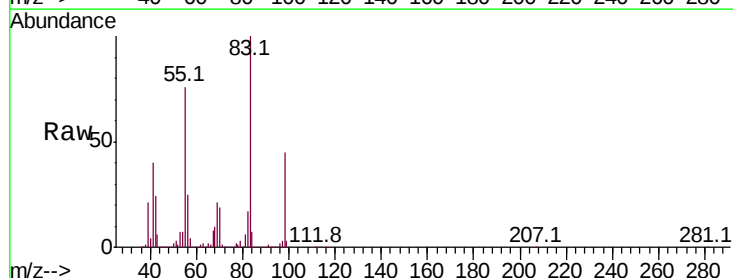
Tgt Ion: 83 Resp: 693928

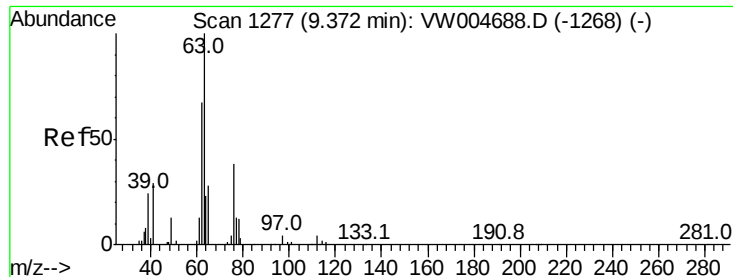
Ion Ratio Lower Upper

83 100

55 76.8 61.4 92.2

98 46.0 36.2 54.4

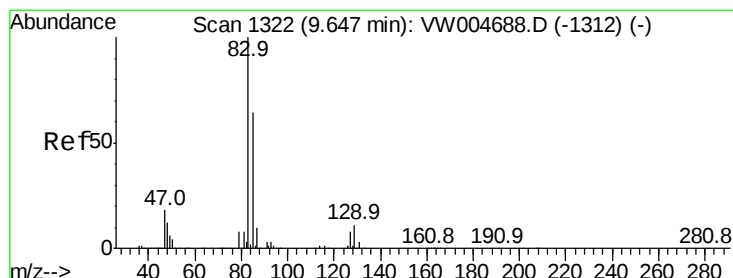
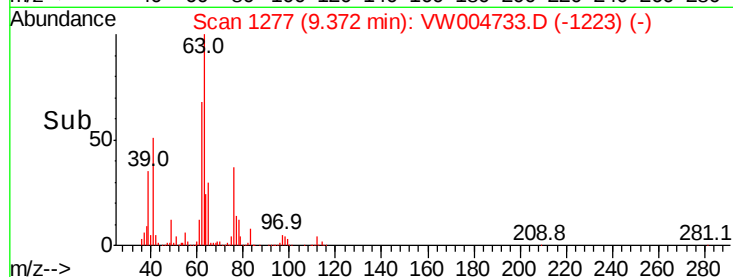
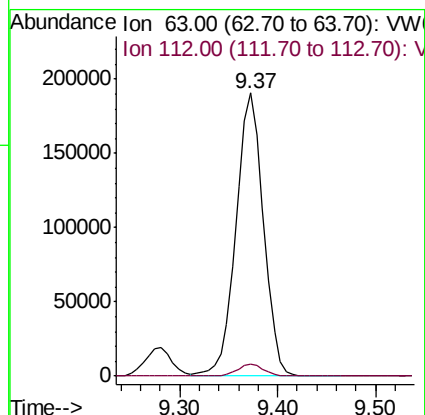
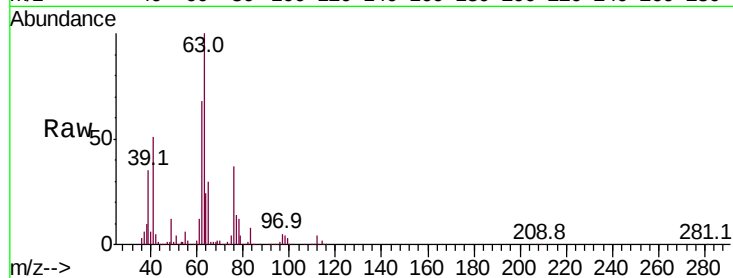




#40
1,2-Dichloropropane
Concen: 25.844 ug/L
RT: 9.37 min Scan# 1277
Delta R.T. -0.00 min
Lab File: VW004733.D
Acq: 16 Aug 2018 18:02

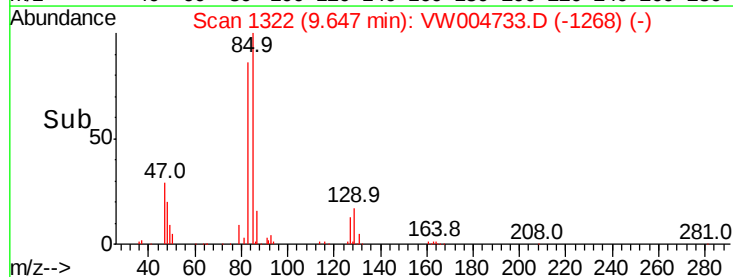
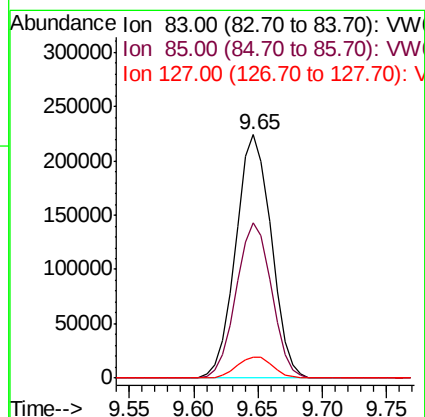
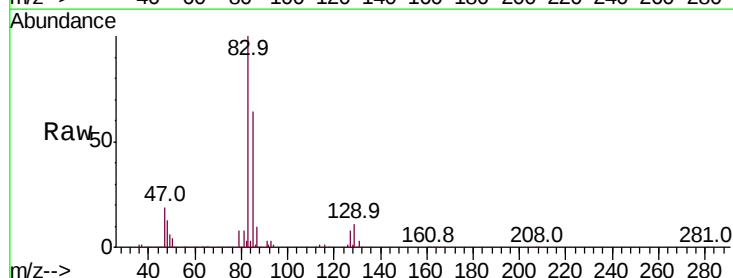
Instrument :
MSVOA_W
ClientSampleId :

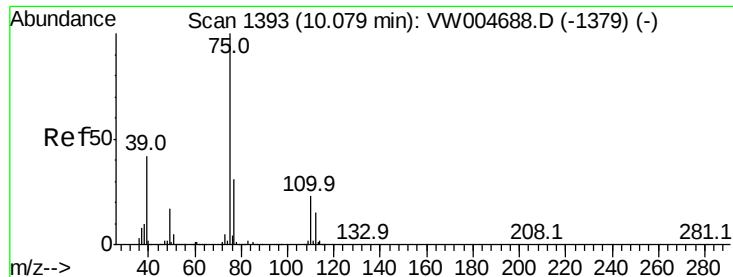
Tot Ion: 63 Resp: 370783
Ion Ratio Lower Upper
63 100
112 4.1 3.4 5.0



#41
Bromodichloromethane
Concen: 25.491 ug/L
RT: 9.65 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VW004733.D
Acq: 16 Aug 2018 18:02

Tgt Ion: 83 Resp: 427302
Ion Ratio Lower Upper
83 100
85 63.5 44.9 83.5
127 8.4 7.0 10.6





#42

cis-1,3-Dichloropropene

Concen: 25.740 ug/L

RT: 10.07 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VW004733.D

Acq: 16 Aug 2018 18:02

Instrument :

MSVOA_W

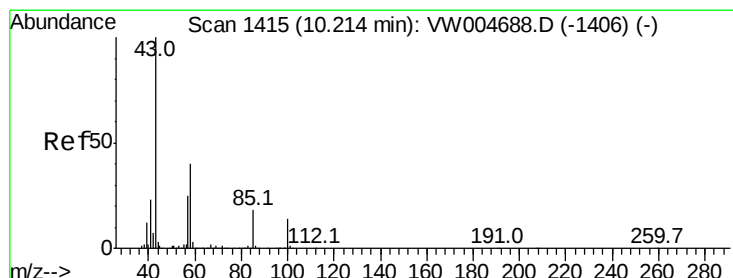
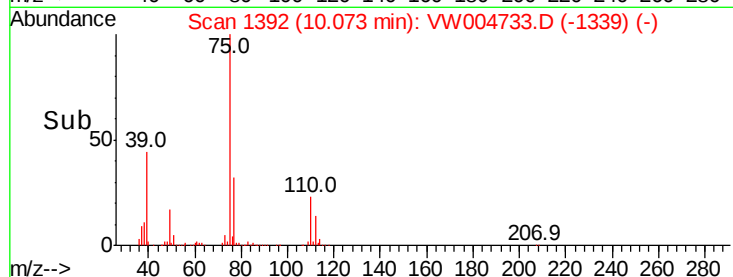
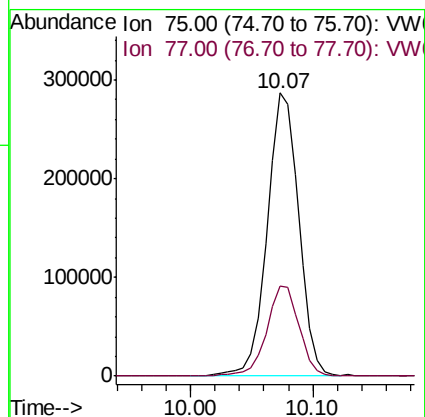
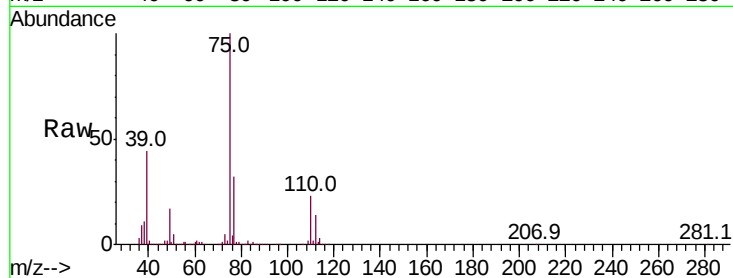
ClientSampleId :

Tot Ion: 75 Resp: 513972

Ion Ratio Lower Upper

75 100

77 32.0 21.7 40.3



#43

4-Methyl-2-pentanone

Concen: 49.415 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VW004733.D

Acq: 16 Aug 2018 18:02

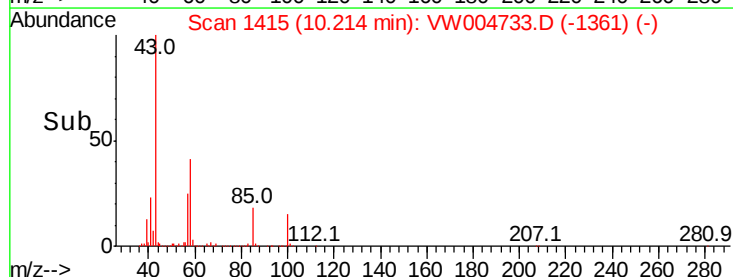
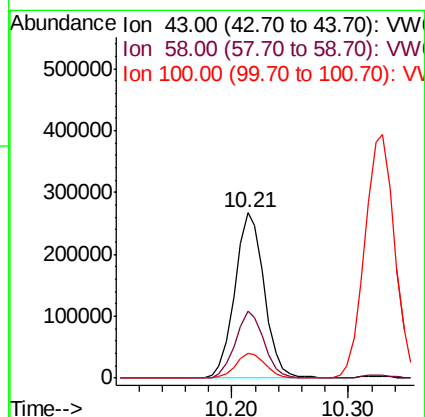
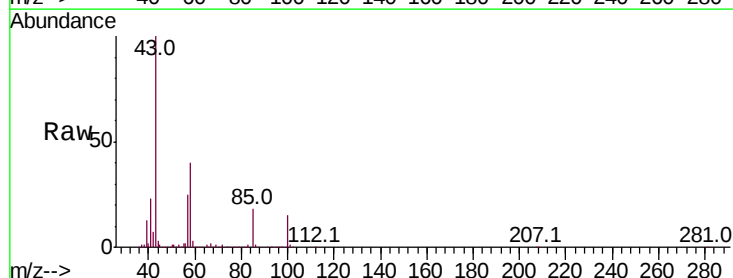
Tgt Ion: 43 Resp: 469427

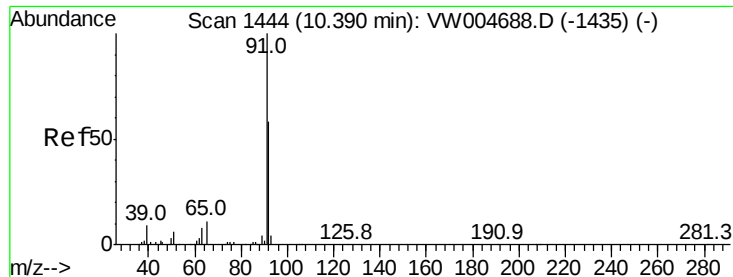
Ion Ratio Lower Upper

43 100

58 39.6 31.8 47.8

100 14.9 12.2 18.4





#44

Toluene

Concen: 26.622 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW004733.D

Acq: 16 Aug 2018 18:02

Instrument :

MSVOA_W

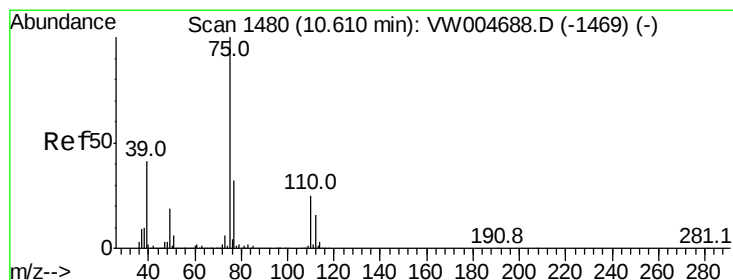
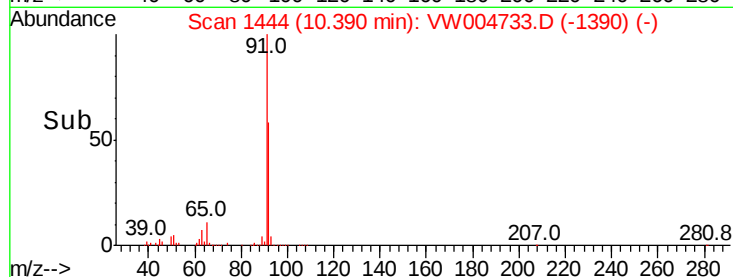
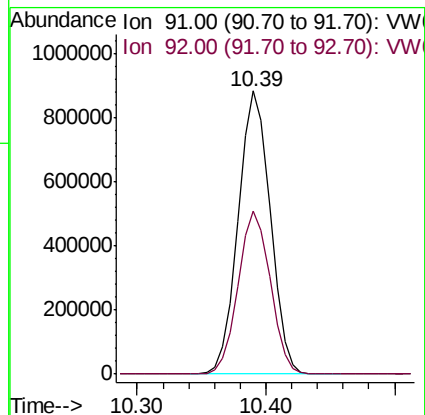
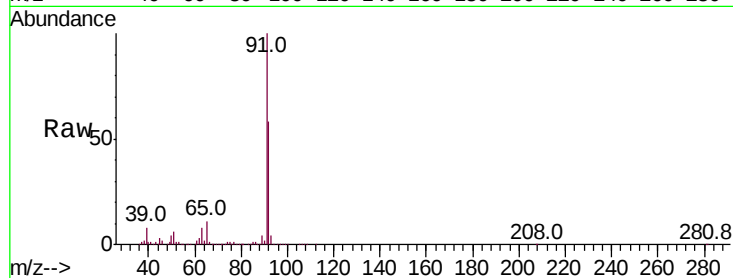
ClientSampled :

Tot Ion: 91 Resp: 1524216

Ion Ratio Lower Upper

91 100

92 57.6 40.3 74.8



#45

trans-1,3-Dichloropropene

Concen: 26.135 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW004733.D

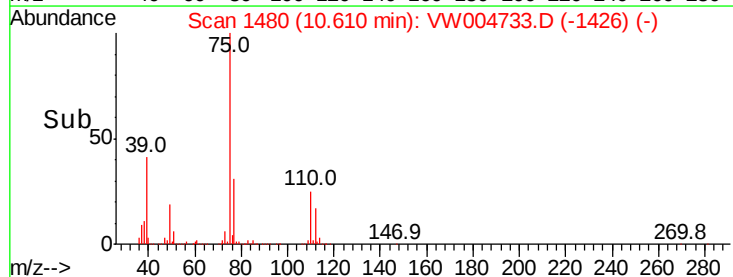
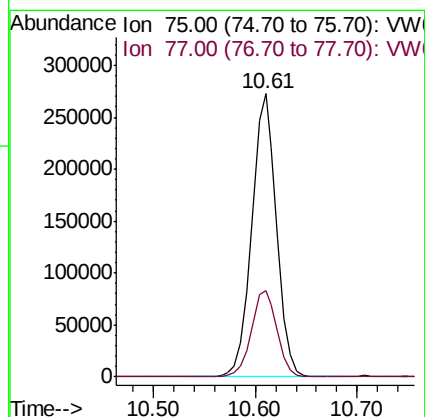
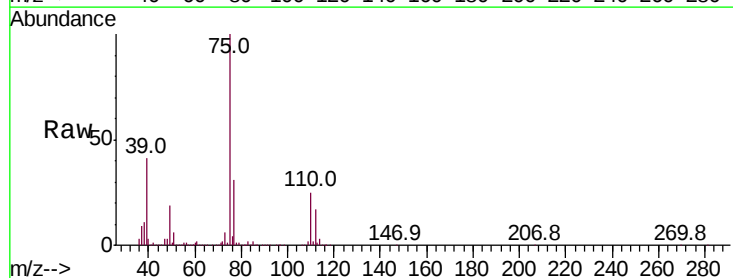
Acq: 16 Aug 2018 18:02

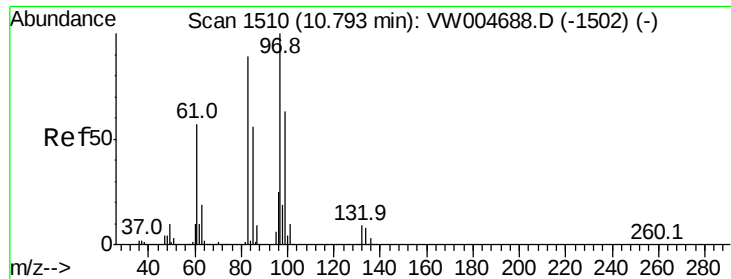
Tgt Ion: 75 Resp: 460146

Ion Ratio Lower Upper

75 100

77 30.6 21.8 40.6

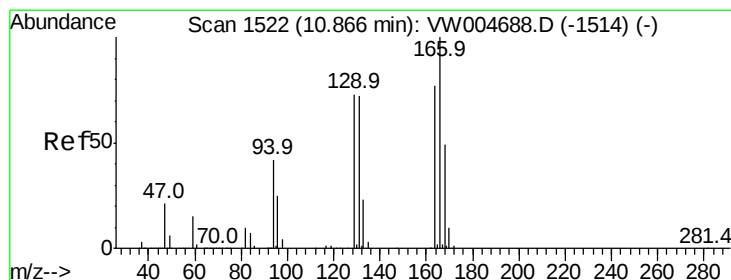
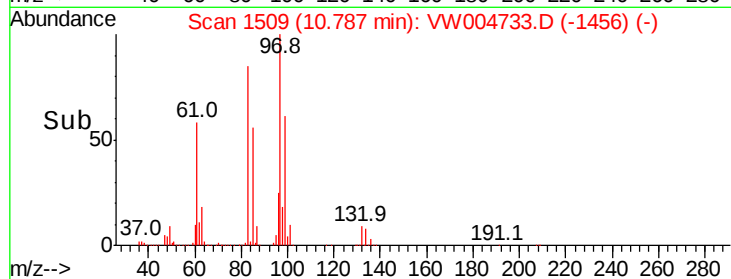
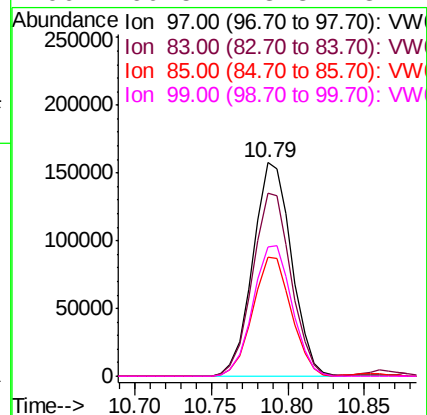
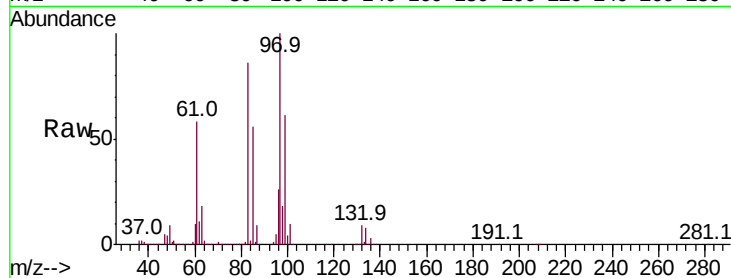




#46
 1,1,2-Trichloroethane
 Concen: 25.585 ug/L
 RT: 10.79 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VW004733.D
 Acq: 16 Aug 2018 18:02

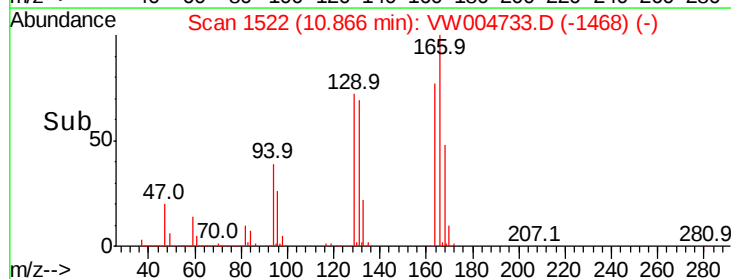
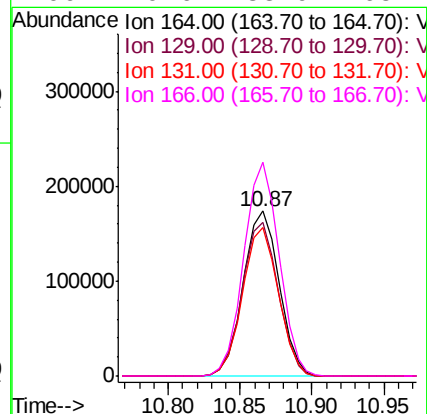
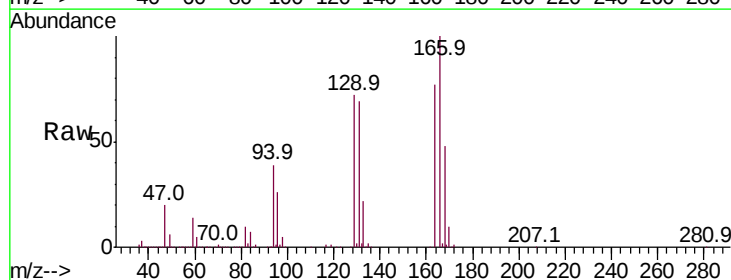
Instrument :
 MSVOA_W
 ClientSampleId :

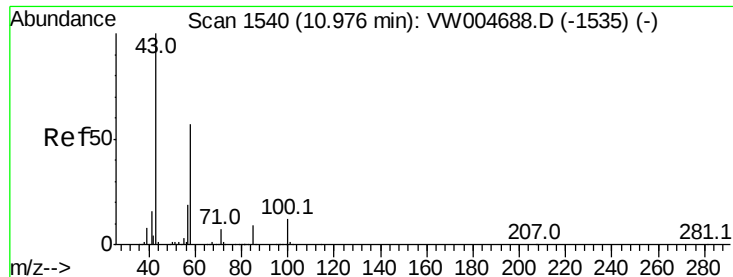
Tot Ion:	97	Resp:	277439
Ion	Ratio	Lower	Upper
97	100		
83	85.5	60.6	112.6
85	56.0	37.9	70.5
99	60.5	43.8	81.4



#47
 Tetrachloroethene
 Concen: 25.466 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. -0.00 min
 Lab File: VW004733.D
 Acq: 16 Aug 2018 18:02

Tgt Ion:	164	Resp:	300627
Ion	Ratio	Lower	Upper
164	100		
129	93.1	65.0	120.6
131	89.9	62.2	115.4
166	129.6	88.9	165.1

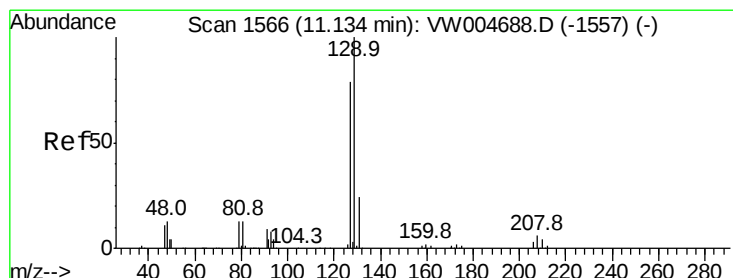
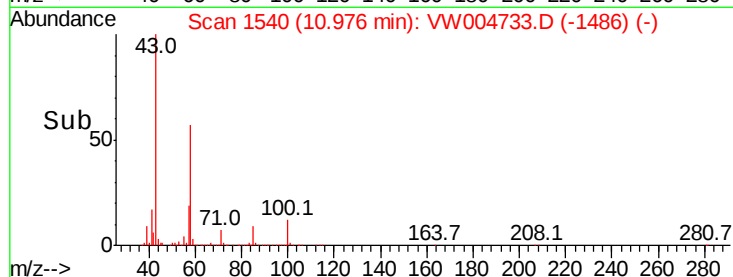
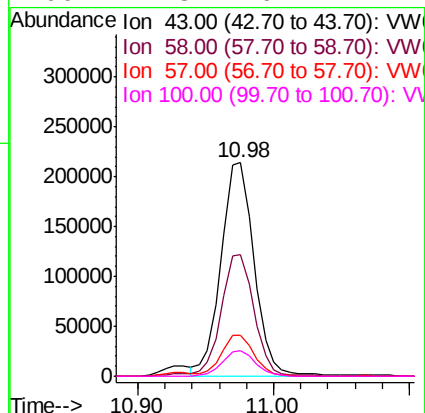
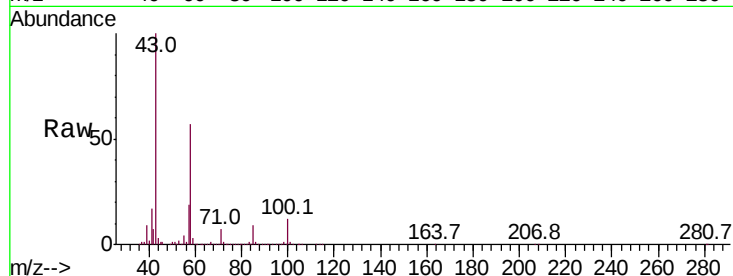




#49
2-Hexanone
Concen: 52.359 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW004733.D
Acq: 16 Aug 2018 18:02

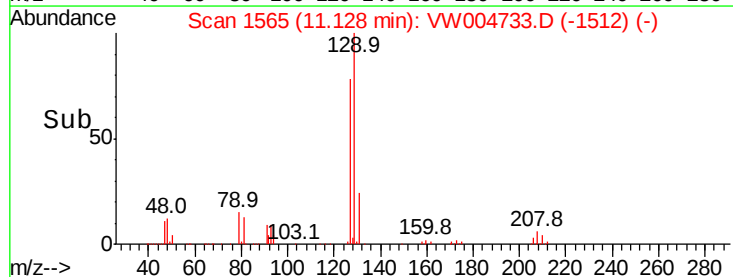
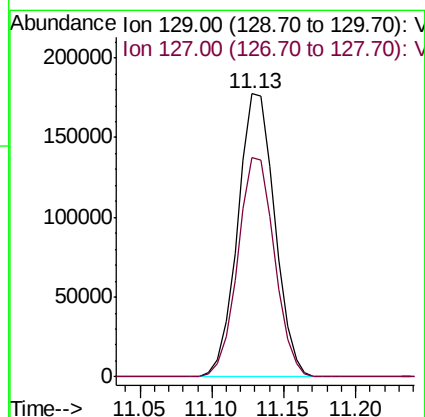
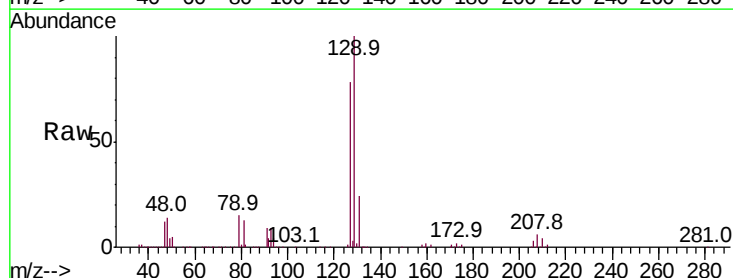
Instrument :
MSVOA_W
ClientSampleId :

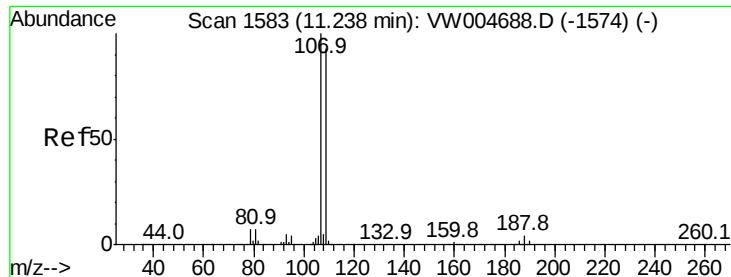
Tot Ion:	43	Resp:	362253
Ion	Ratio	Lower	Upper
43	100		
58	56.1	44.4	66.6
57	18.8	14.8	22.2
100	11.8	9.4	14.2



#50
Dibromochloromethane
Concen: 26.002 ug/L
RT: 11.13 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VW004733.D
Acq: 16 Aug 2018 18:02

Tgt Ion:	129	Resp:	317152
Ion	Ratio	Lower	Upper
129	100		
127	77.7	53.3	98.9





#51

1,2-Dibromoethane

Concen: 25.441 ug/L

RT: 11.24 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VW004733.D

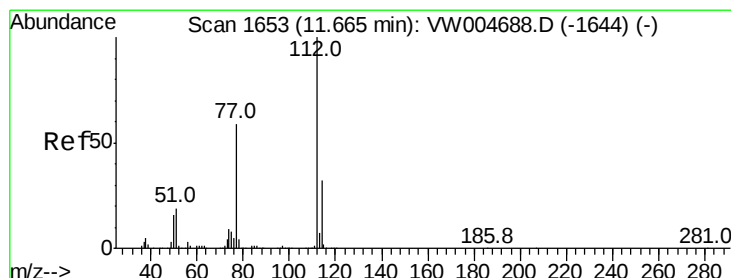
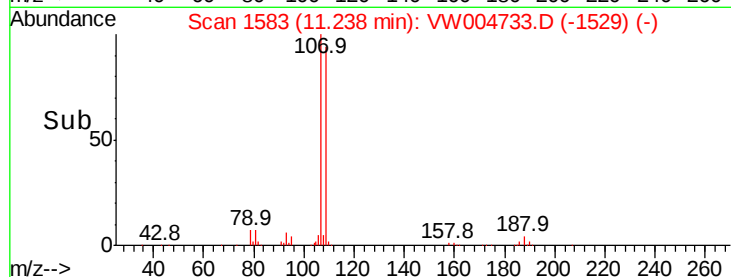
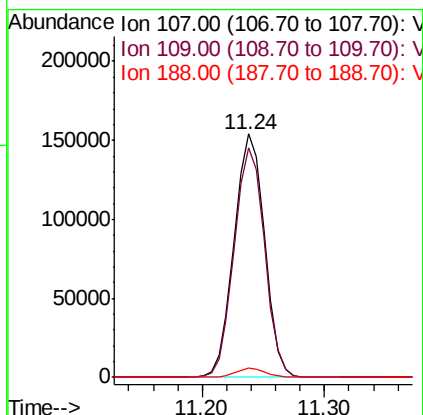
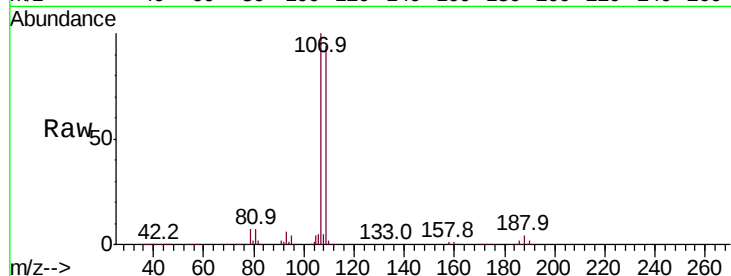
Acq: 16 Aug 2018 18:02

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:	107	Resp:	265945
Ion	Ratio	Lower	Upper
107	100		
109	94.4	64.5	119.9
188	3.9	2.8	4.2



#52

Chlorobenzene

Concen: 25.955 ug/L

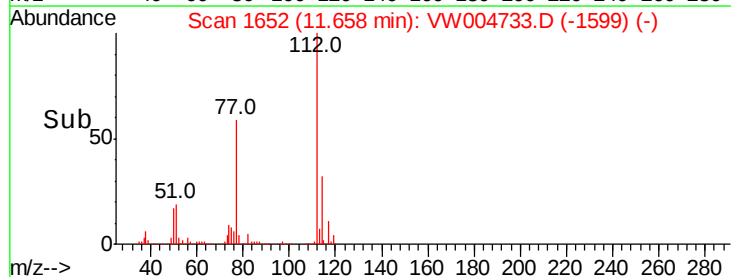
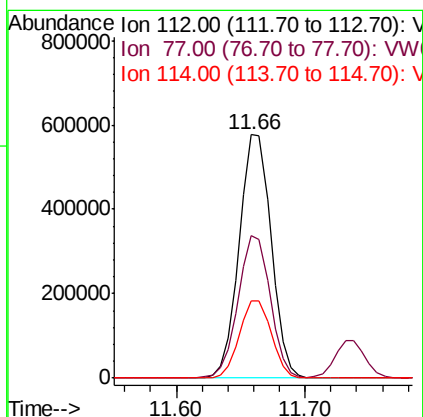
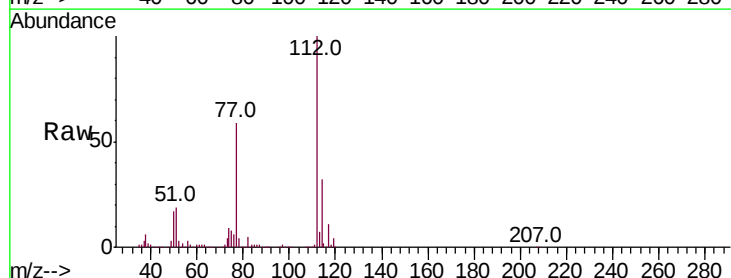
RT: 11.66 min Scan# 1652

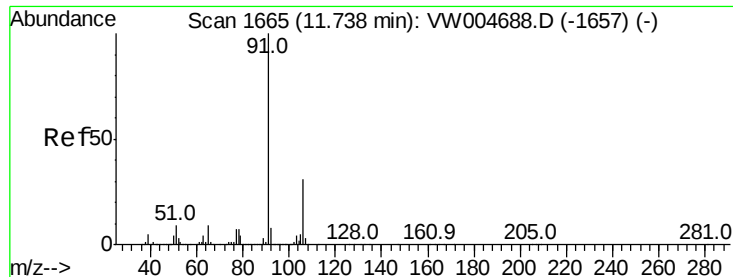
Delta R.T. -0.01 min

Lab File: VW004733.D

Acq: 16 Aug 2018 18:02

Tgt Ion:	112	Resp:	992201
Ion	Ratio	Lower	Upper
112	100		
77	58.7	46.0	69.0
114	31.7	22.3	41.5





#53

Ethylbenzene

Concen: 26.856 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW004733.D

Acq: 16 Aug 2018 18:02

Instrument :

MSVOA_W

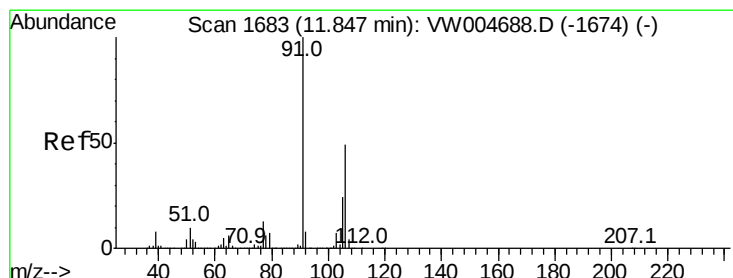
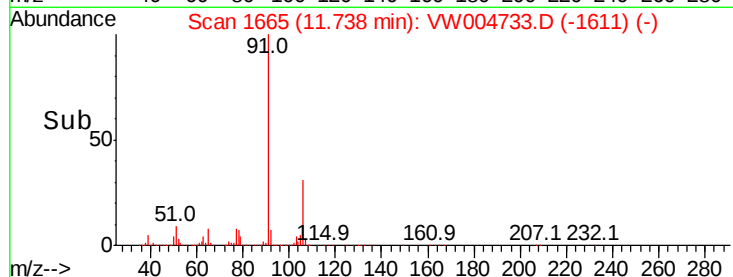
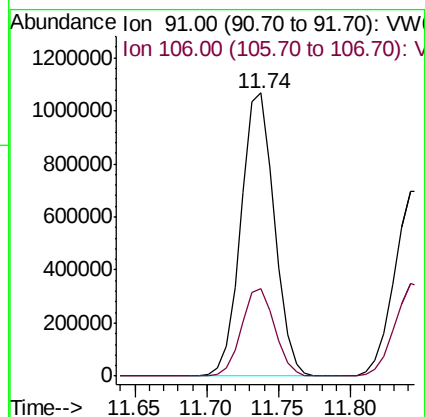
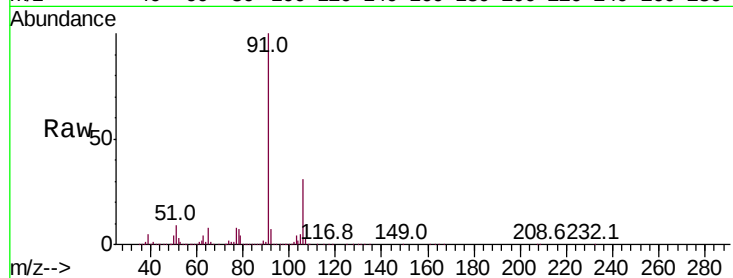
ClientSampleId :

Tot Ion: 91 Resp: 1712817

Ion Ratio Lower Upper

91 100

106 30.9 22.0 40.8



#54

m,p-Xylene

Concen: 27.137 ug/L

RT: 11.84 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VW004733.D

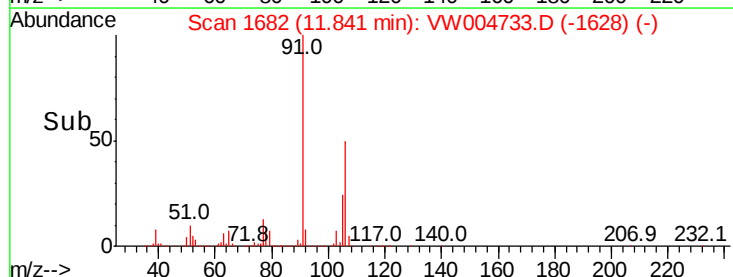
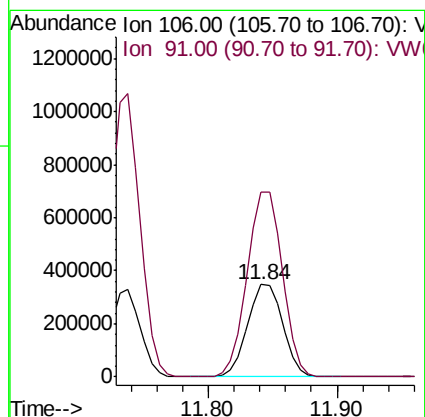
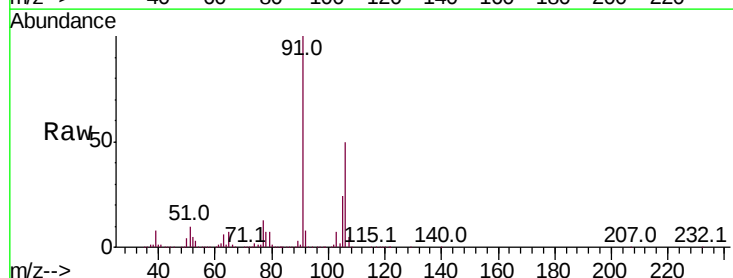
Acq: 16 Aug 2018 18:02

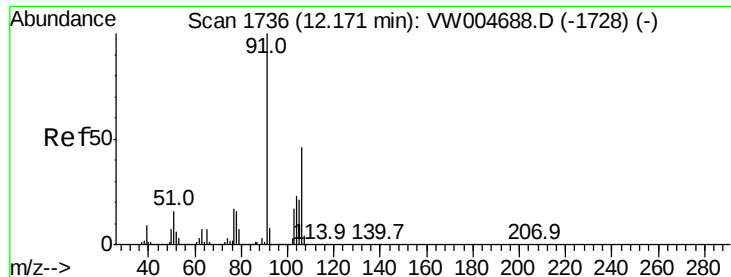
Tgt Ion:106 Resp: 657692

Ion Ratio Lower Upper

106 100

91 201.0 139.2 258.4





#55

o-xylene

Concen: 27.182 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VW004733.D

Acq: 16 Aug 2018 18:02

Instrument :

MSVOA_W

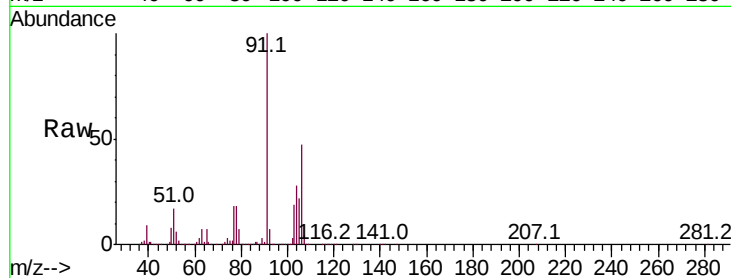
ClientSampled :

Tot Ion:106 Resp: 622658

Ion Ratio Lower Upper

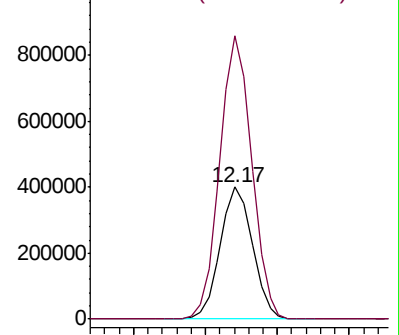
106 100

91 214.1 150.1 278.7

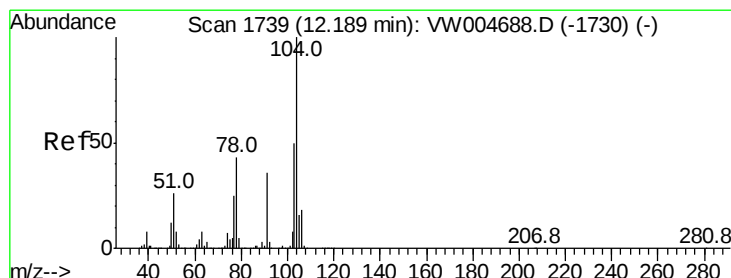
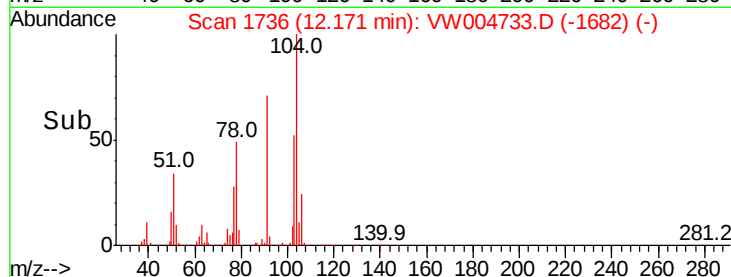


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



Time-->



#56

Styrene

Concen: 28.094 ug/L

RT: 12.19 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VW004733.D

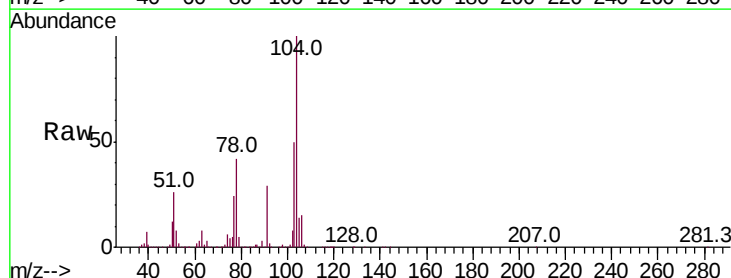
Acq: 16 Aug 2018 18:02

Tgt Ion:104 Resp: 1103855

Ion Ratio Lower Upper

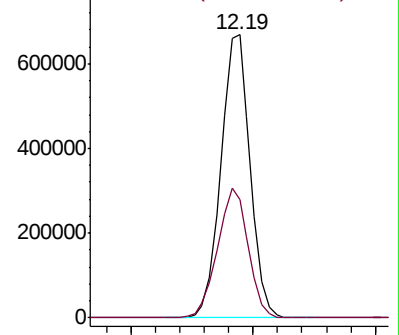
104 100

78 41.7 29.9 55.5

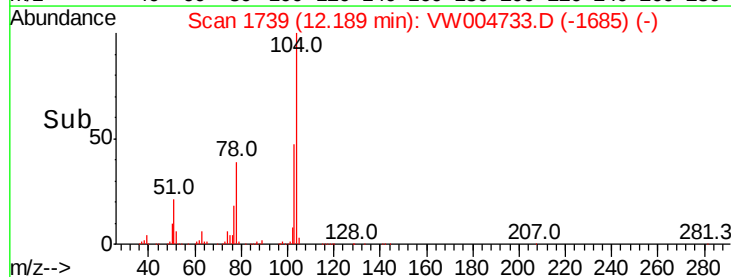


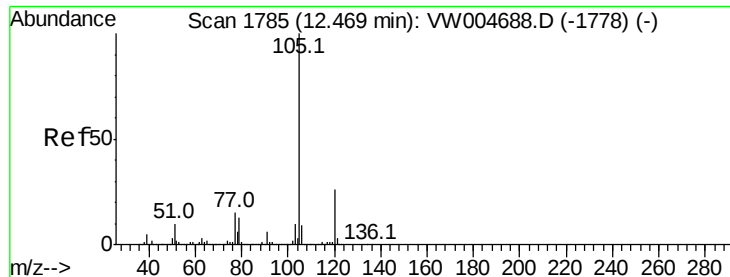
Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW



Time-->





#57

Isopropylbenzene

Concen: 27.373 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW004733.D

Acq: 16 Aug 2018 18:02

Instrument :

MSVOA_W

ClientSampled :

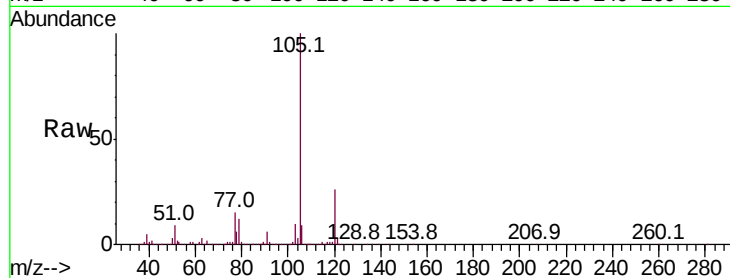
Tot Ion:105 Resp: 1698135

Ion Ratio Lower Upper

105 100

120 26.5 21.2 31.8

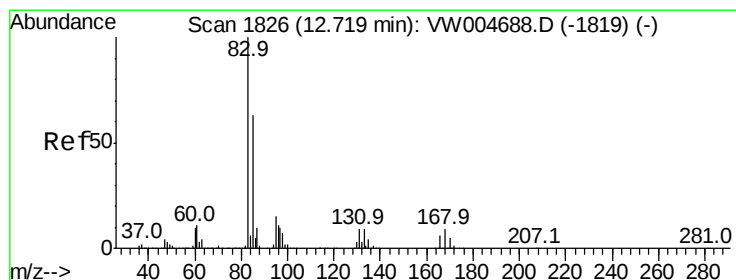
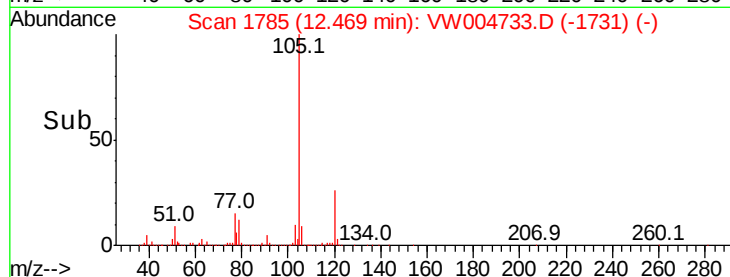
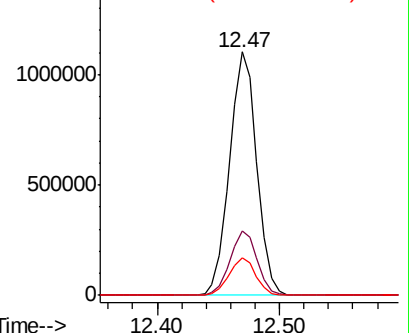
77 15.2 12.1 18.1



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: 25.001 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW004733.D

Acq: 16 Aug 2018 18:02

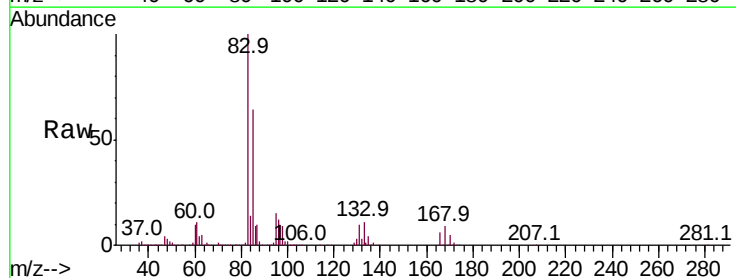
Tgt Ion: 83 Resp: 373844

Ion Ratio Lower Upper

83 100

85 63.5 44.4 82.5

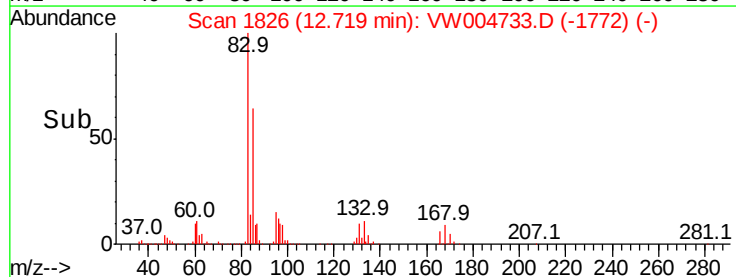
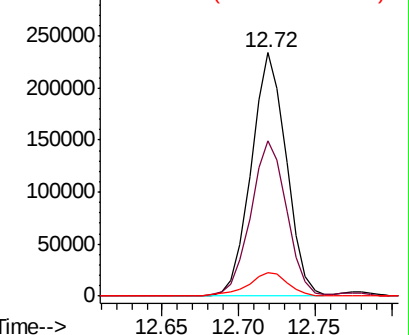
131 9.7 8.2 12.4

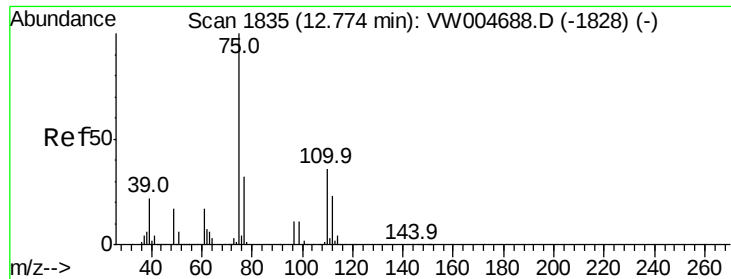


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.910 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW004733.D

Acq: 16 Aug 2018 18:02

Instrument :

MSVOA_W

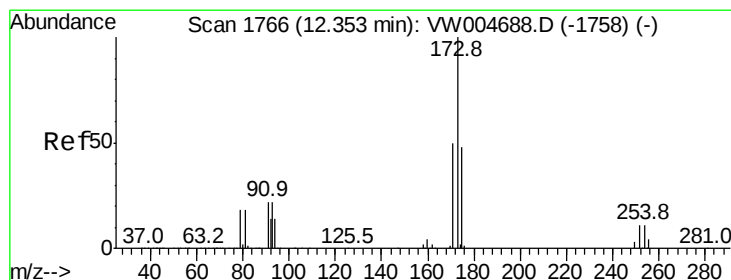
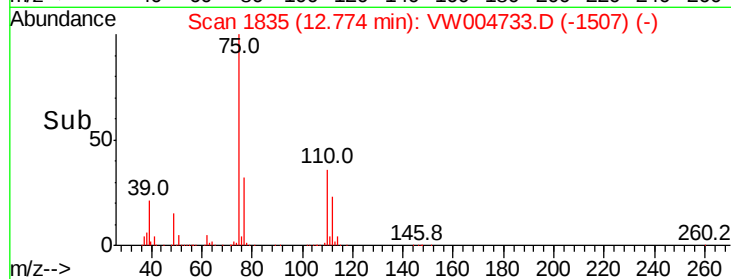
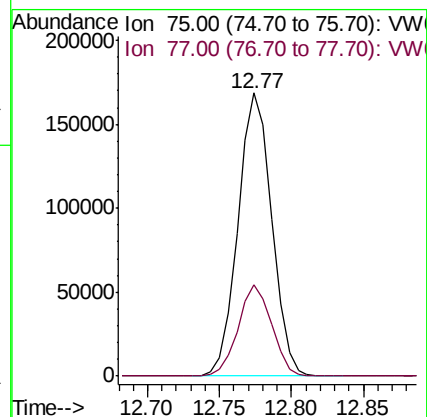
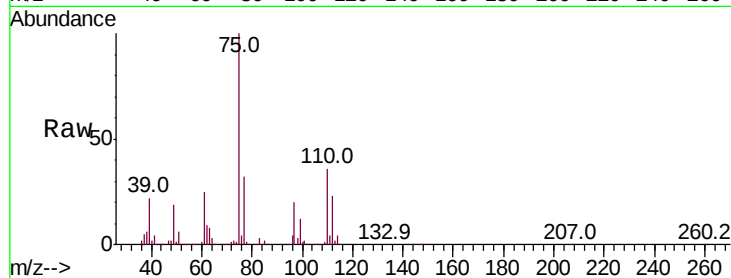
ClientSampleId :

Tot Ion: 75 Resp: 274238

Ion Ratio Lower Upper

75 100

77 31.9 25.8 38.6



#62

Bromoform

Concen: 24.480 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW004733.D

Acq: 16 Aug 2018 18:02

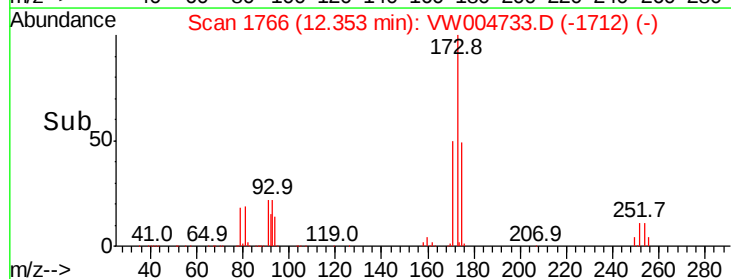
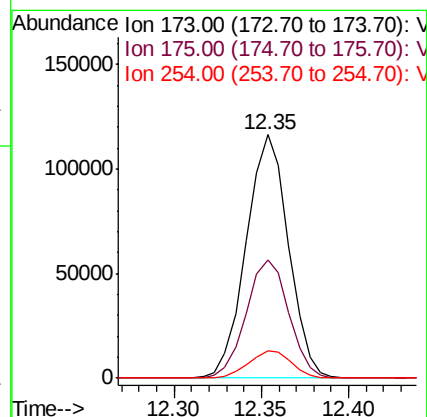
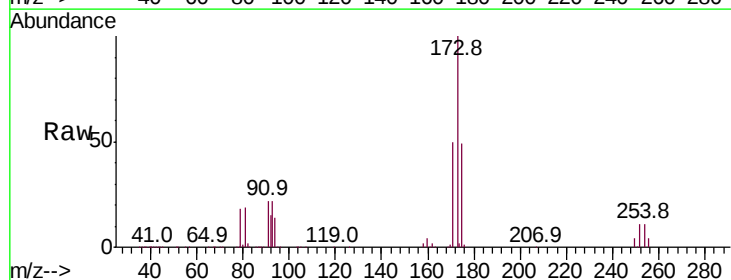
Tgt Ion: 173 Resp: 195581

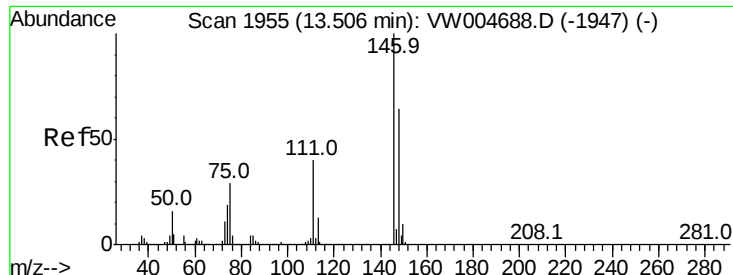
Ion Ratio Lower Upper

173 100

175 49.1 39.2 58.8

254 11.2 8.8 13.2





#63

1,3-Dichlorobenzene

Concen: 25.588 ug/L

RT: 13.51 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW004733.D

Acq: 16 Aug 2018 18:02

Instrument :

MSVOA_W

ClientSampleId :

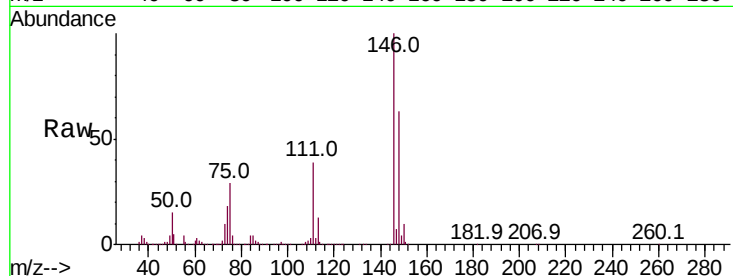
Tot Ion:146 Resp: 762883

Ion Ratio Lower Upper

146 100

111 39.2 27.5 51.1

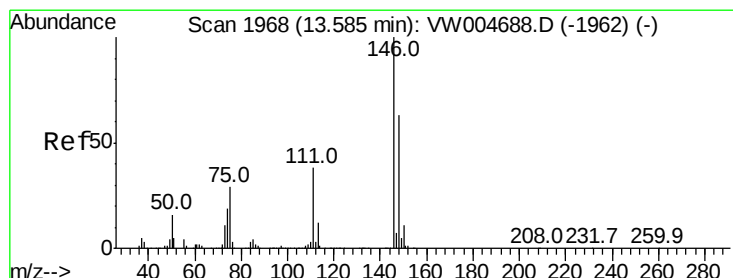
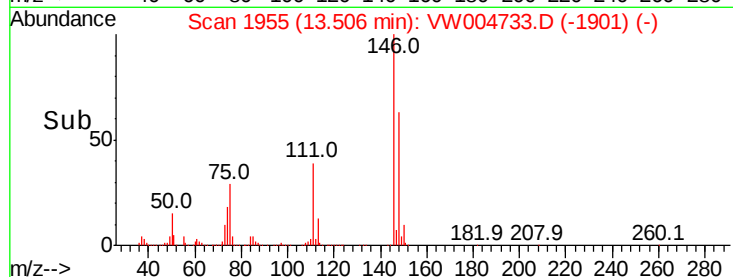
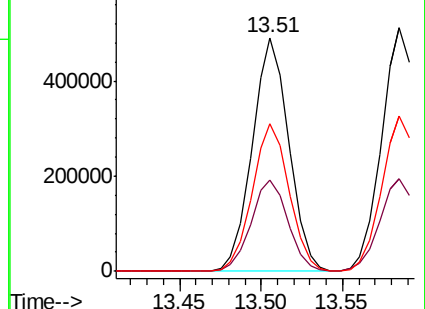
148 63.3 45.1 83.9



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: 25.394 ug/L

RT: 13.58 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VW004733.D

Acq: 16 Aug 2018 18:02

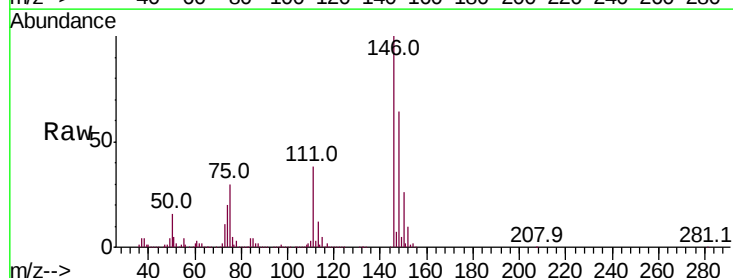
Tgt Ion:146 Resp: 808699

Ion Ratio Lower Upper

146 100

111 38.3 26.7 49.5

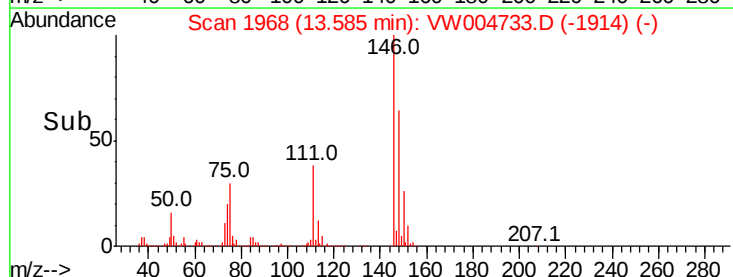
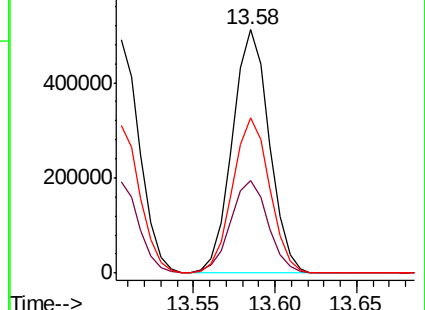
148 64.0 44.8 83.2

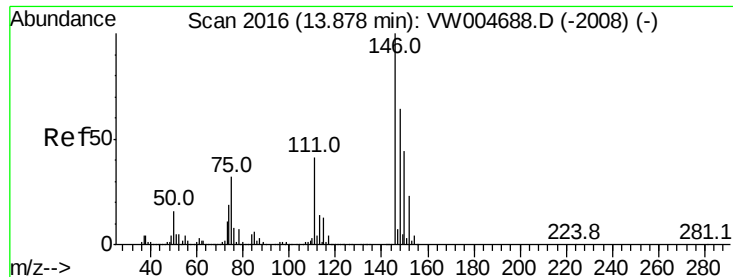


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 25.486 ug/L

RT: 13.88 min Scan# 2016

Delta R.T. -0.00 min

Lab File: VW004733.D

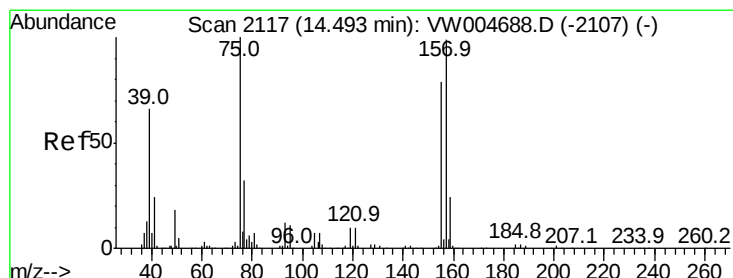
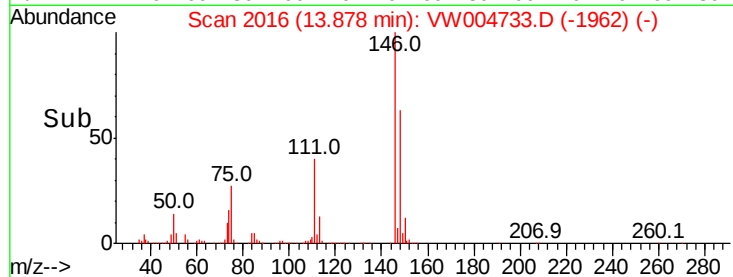
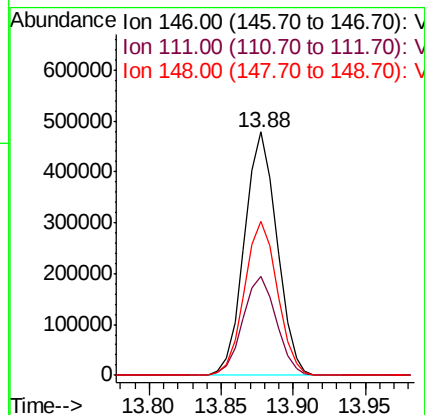
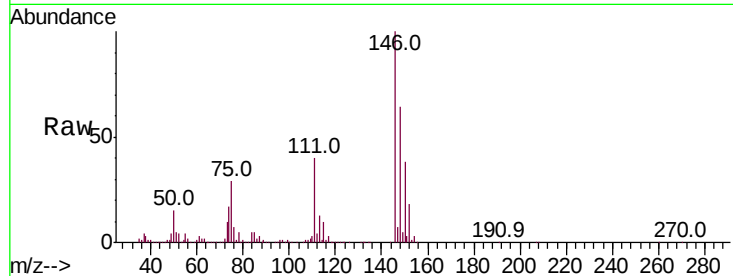
Acq: 16 Aug 2018 18:02

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:	146	Resp:	749435
Ion	Ratio	Lower	Upper
146	100		
111	40.4	32.9	49.3
148	63.5	50.7	76.1



#66

1,2-Dibromo-3-chloropropane

Concen: 23.017 ug/L

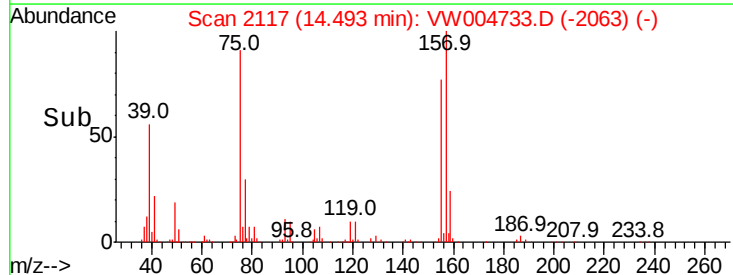
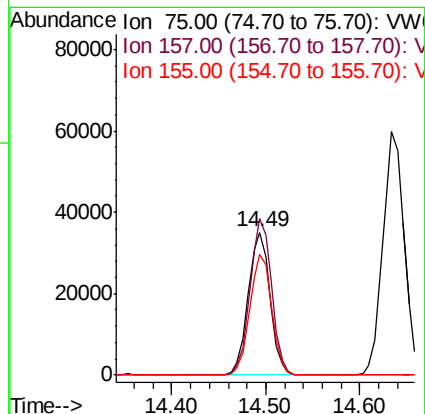
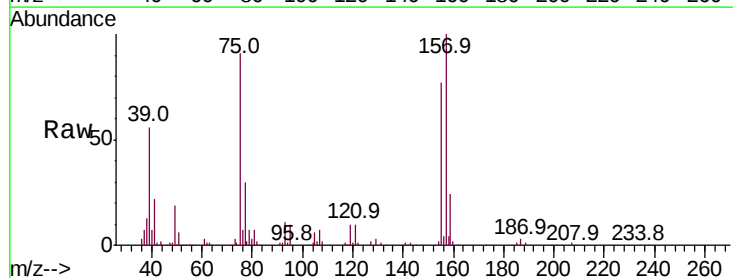
RT: 14.49 min Scan# 2117

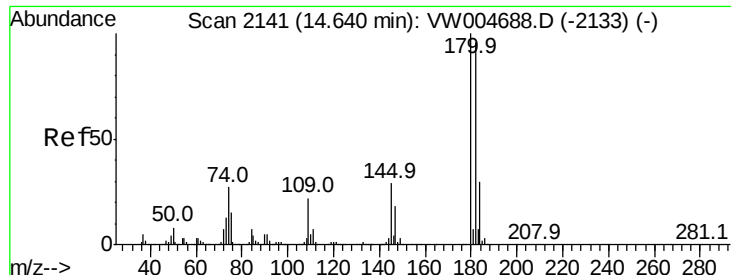
Delta R.T. -0.00 min

Lab File: VW004733.D

Acq: 16 Aug 2018 18:02

Tgt Ion:	75	Resp:	57037
Ion	Ratio	Lower	Upper
75	100		
157	109.8	81.8	122.8
155	84.5	65.4	98.0

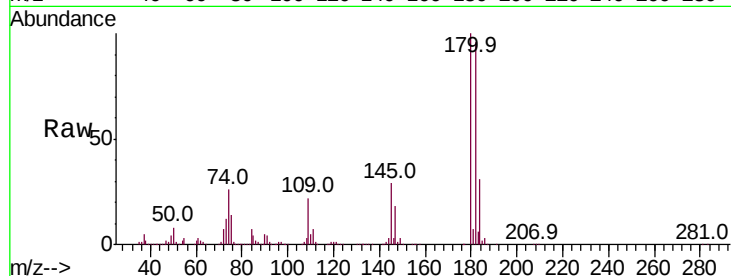




#67
 1,3,5-Trichlorobenzene
 Concen: 25.834 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VW004733.D
 Acq: 16 Aug 2018 18:02

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Resp	Lower	Upper
180	100	619605		
182	95.4		76.1	114.1
184	30.4		24.2	36.4
145	29.0		22.6	34.0



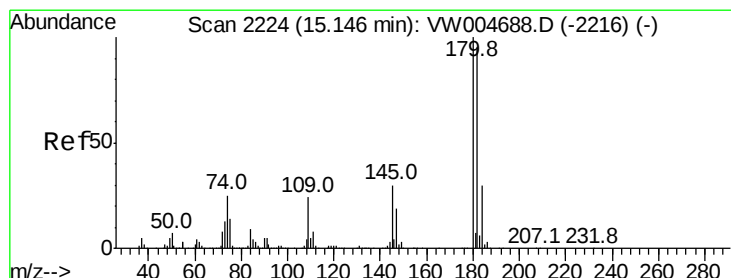
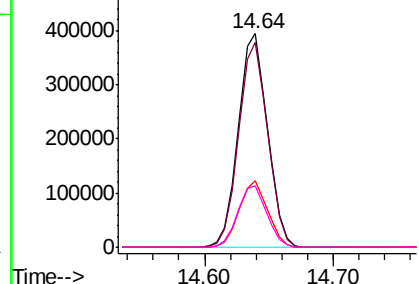
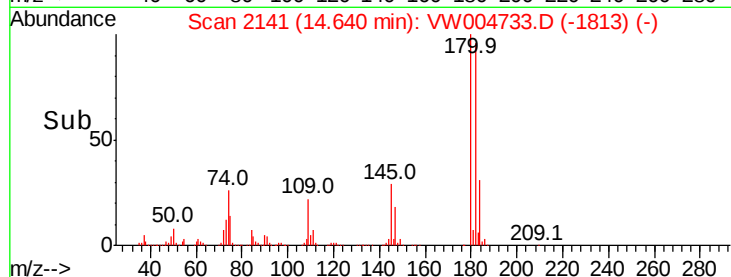
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

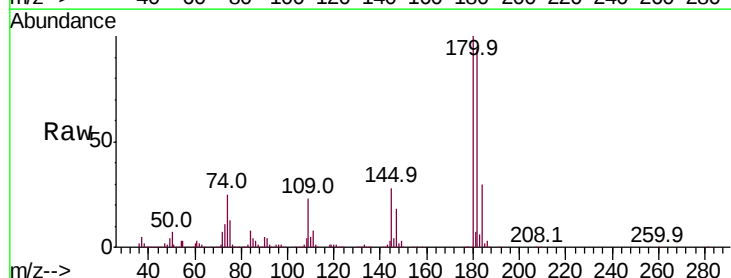
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 26.004 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW004733.D
 Acq: 16 Aug 2018 18:02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	505252		
182	95.6		76.7	115.1
145	29.1		23.4	35.2

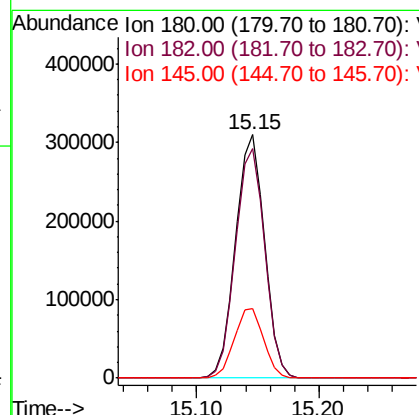
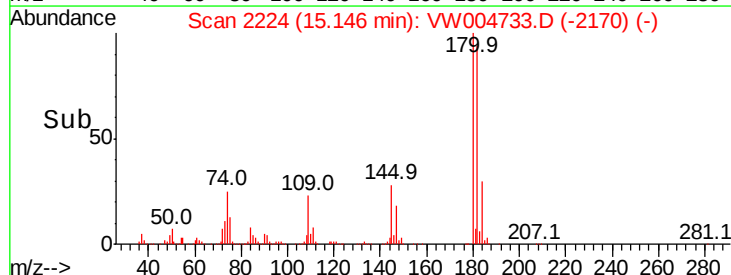


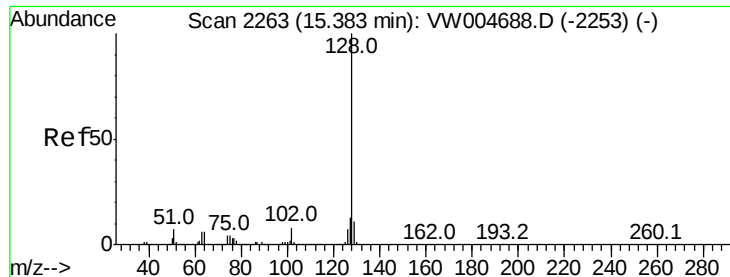
Abundance

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: 25.844 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VW004733.D

Acq: 16 Aug 2018 18:02

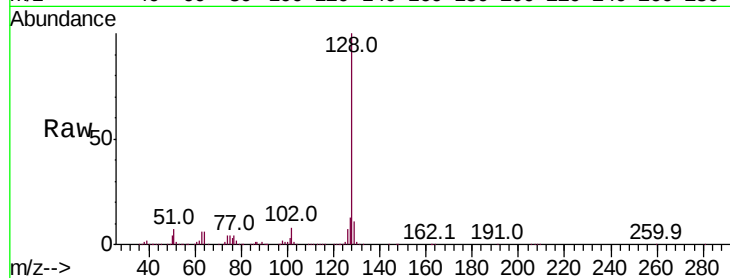
Instrument :

MSVOA_W

ClientSampled :

Tot Ion:128 Resp: 1033507

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	13.1	10.6	15.8

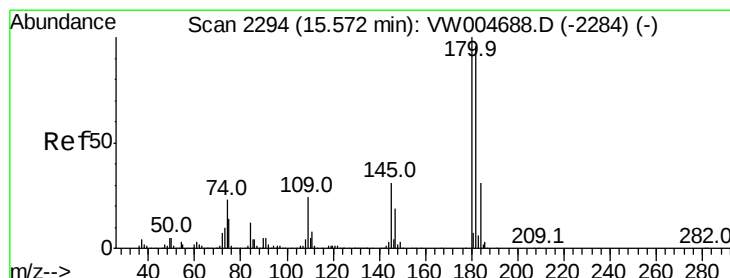


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

Time--> 15.30 15.40



#70

1,2,3-Trichlorobenzene

Concen: 26.623 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. -0.00 min

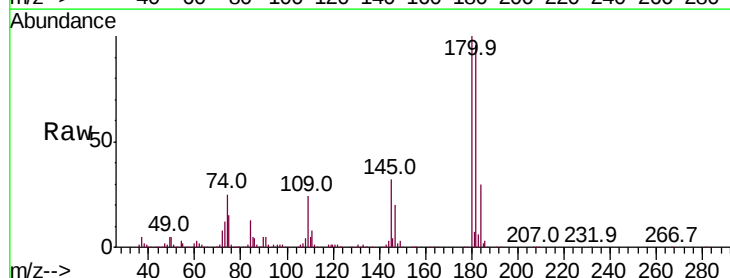
Lab File: VW004733.D

Acq: 16 Aug 2018 18:02

Tgt Ion:180 Resp: 493729

Ion	Ratio	Lower	Upper
180	100		
182	95.5	75.8	113.8
145	31.3	24.4	36.6

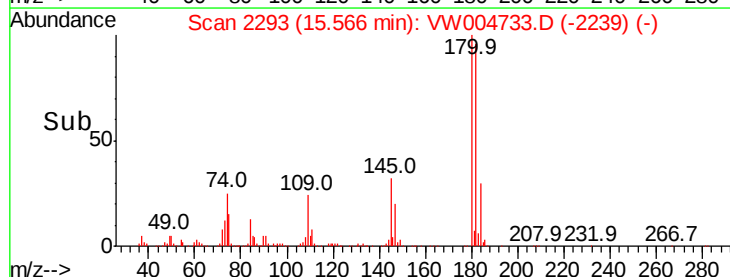
Time--> 15.50 15.60



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



Time--> 15.50 15.60