

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081618\
 Data File : VW004699.D
 Acq On : 15 Aug 2018 15:49
 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 02:40:54 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	991832	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	940514	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	487803	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	306620	19.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.80%
7) Chloroethane-d5	2.89	69	245266	20.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.48%
10) 1,1-Dichloroethene-d2	4.01	63	601400	20.86	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	83.44%
20) 2-Butanone-d5	7.09	46	208127	48.79	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.58%
24) Chloroform-d	7.65	84	561643	21.13	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	84.52%
26) 1,2-Dichloroethane-d4	8.31	65	303371	21.54	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	86.16%
29) Benzene-d6	8.28	84	1125398	21.34	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	85.36%
33) 1,2-Dichloropropane-d6	9.28	67	350050	21.37	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	85.48%
37) Toluene-d8	10.33	98	1007524	21.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.16%
38) trans-1,3-Dichloropropene-	10.58	79	141390	21.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.04%
39) 2-Hexanone-d5	10.93	63	168639	51.51	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.02%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	355922	23.16	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.64%
61) 1,2-Dichlorobenzene-d4	13.86	152	383854	20.74	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	82.96%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	293331	24.719	ug/L	98
3) Chloromethane	2.22	50	316895	22.514	ug/L	99
5) Vinyl chloride	2.37	62	480970	23.545	ug/L	98
6) Bromomethane	2.78	94	272188	23.247	ug/L	98
8) Chloroethane	2.93	64	263857	23.027	ug/L	95
9) Trichlorofluoromethane	3.26	101	228114	22.162	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	363212	24.011	ug/L	99
12) 1,1-Dichloroethene	4.03	96	347309	23.386	ug/L	99
13) Acetone	4.14	43	208894	53.370	ug/L	99
14) Carbon disulfide	4.38	76	1190369	22.990	ug/L	98
15) Methyl Acetate	4.67	43	223044	26.369	ug/L	100
16) Methylene chloride	4.92	84	406720	20.527	ug/L	99
17) Methyl tert-butyl Ether	5.43	73	480222	24.760	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	361091	23.678	ug/L	97
19) 1,1-Dichloroethane	6.21	63	651140	24.133	ug/L	99
21) 2-Butanone	7.18	43	297922	54.423	ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	388225	24.131	ug/L	99

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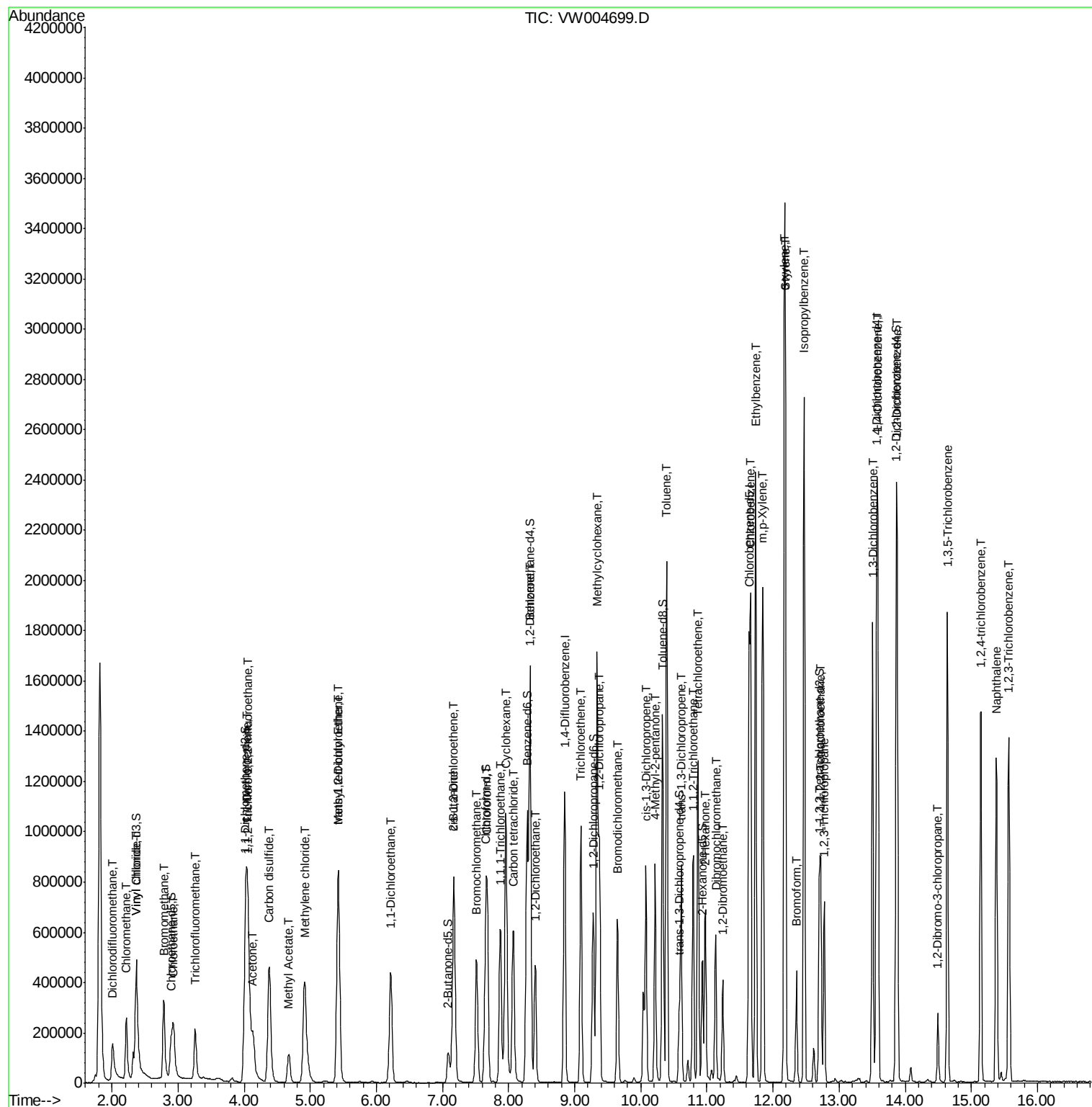
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	181845	24.231	ug/L	98
25) Chloroform	7.68	83	652358	24.297	ug/L	100
27) 1,2-Dichloroethane	8.40	62	424730	24.468	ug/L	100
30) Cyclohexane	7.96	56	632885	25.748	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	514855	24.469	ug/L	100
32) Carbon tetrachloride	8.07	117	487466	24.350	ug/L	99
34) Benzene	8.32	78	1496869	25.003	ug/L	100
35) Trichloroethene	9.09	95	370451	24.589	ug/L	99
36) Methylcyclohexane	9.34	83	715519	25.453	ug/L	99
40) 1,2-Dichloropropane	9.37	63	384247	25.295	ug/L	99
41) Bromodichloromethane	9.65	83	442453	24.929	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	523014	24.737	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	568014	56.471	ug/L	100
44) Toluene	10.39	91	1531735	25.267	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	473495	25.399	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	291605	25.397	ug/L	99
47) Tetrachloroethene	10.87	164	304880	24.391	ug/L	99
49) 2-Hexanone	10.98	43	428638	58.511	ug/L	99
50) Dibromochloromethane	11.13	129	324320	25.112	ug/L	98
51) 1,2-Dibromoethane	11.24	107	279859	25.284	ug/L	97
52) Chlorobenzene	11.66	112	990003	24.459	ug/L	99
53) Ethylbenzene	11.74	91	1715461	25.403	ug/L	99
54) m,p-Xylene	11.85	106	652912	25.443	ug/L	99
55) o-xylene	12.17	106	623466	25.705	ug/L	100
56) Styrene	12.19	104	1103598	26.527	ug/L	100
57) Isopropylbenzene	12.47	105	1718028	26.155	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	410262	25.912	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	305395	26.199	ug/L	99
62) Bromoform	12.35	173	210447	25.100	ug/L	100
63) 1,3-Dichlorobenzene	13.51	146	766908	24.512	ug/L	99
64) 1,4-Dichlorobenzene	13.59	146	806993	24.147	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	752584	24.388	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.49	75	68977	26.525	ug/L	95
67) 1,3,5-Trichlorobenzene	14.64	180	619756	24.624	ug/L	100
68) 1,2,4-trichlorobenzene	15.15	180	501679	24.605	ug/L	99
69) Naphthalene	15.38	128	1119206	26.669	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	495358	25.453	ug/L	99

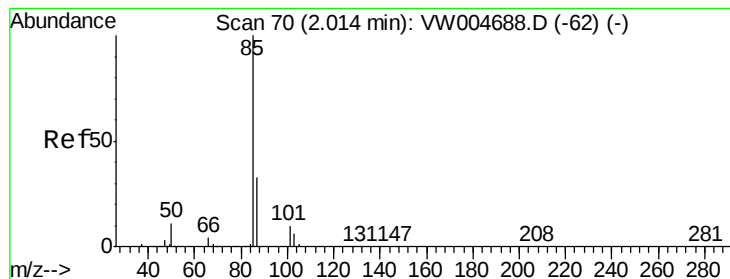
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 24.719 ug/L

RT: 2.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VW004699.D

Acq: 15 Aug 2018 15:49

Instrument :

MSVOA_W

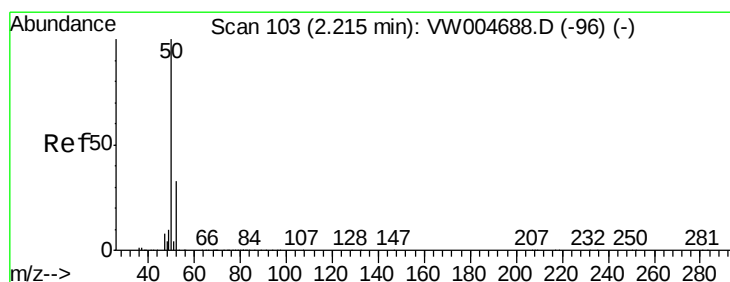
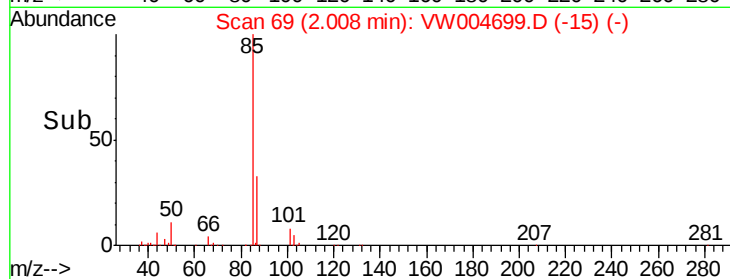
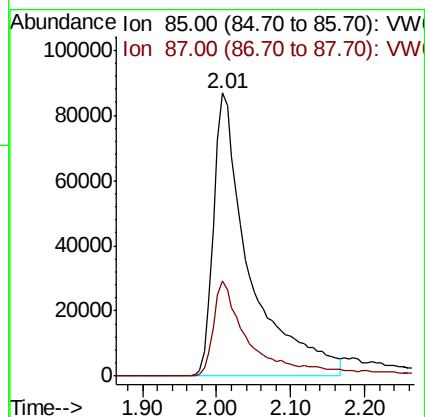
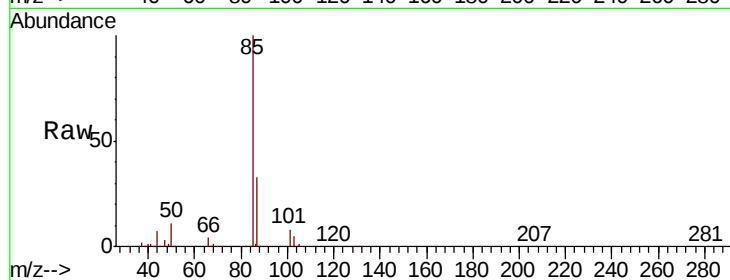
ClientSampleId :

Tot Ion: 85 Resp: 293331

Ion Ratio Lower Upper

85 100

87 29.7 19.9 37.0



#3

Chloromethane

Concen: 22.514 ug/L

RT: 2.22 min Scan# 103

Delta R.T. 0.00 min

Lab File: VW004699.D

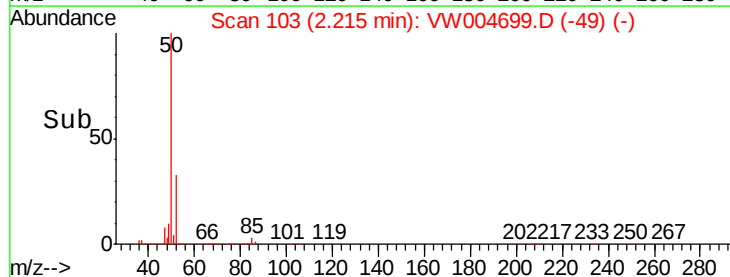
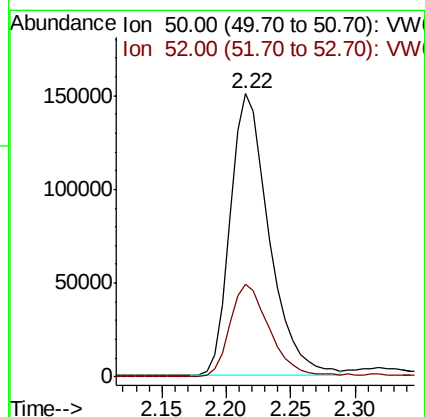
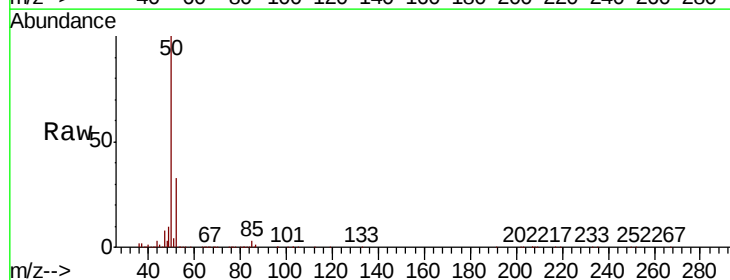
Acq: 15 Aug 2018 15:49

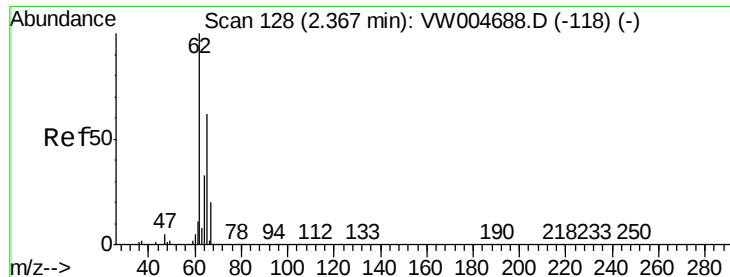
Tgt Ion: 50 Resp: 316895

Ion Ratio Lower Upper

50 100

52 32.5 22.4 41.6





#5

Vinyl chloride

Concen: 23.545 ug/L

RT: 2.37 min Scan# 128

Delta R.T. -0.01 min

Lab File: VW004699.D

Acq: 15 Aug 2018 15:49

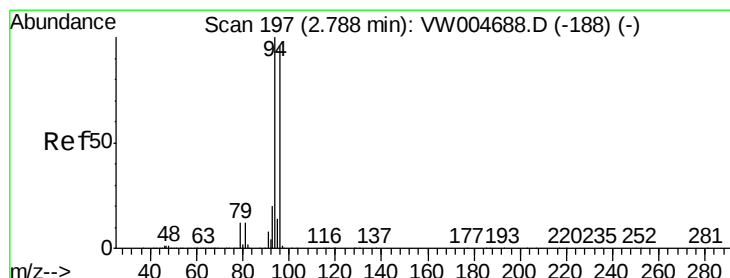
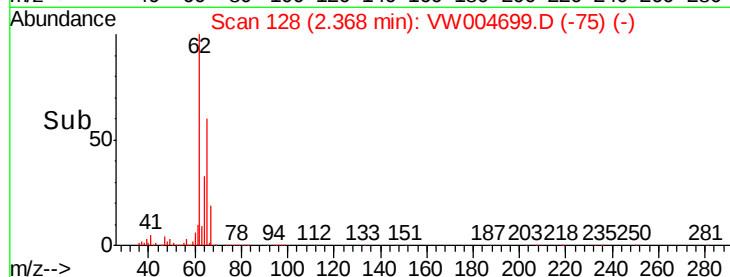
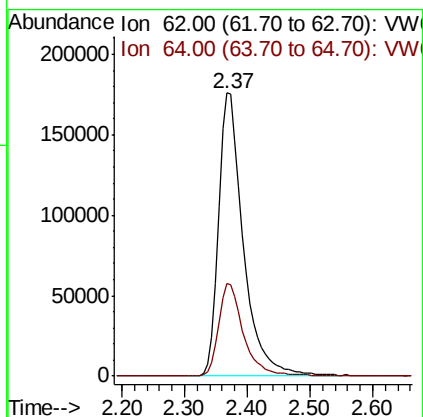
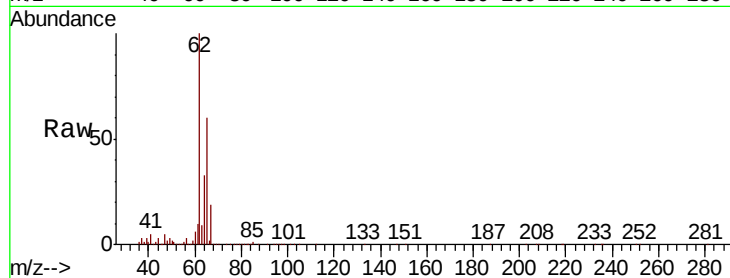
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 62 Resp: 480970

Ion Ratio Lower Upper

62 100

64 32.6 23.7 43.9



#6

Bromomethane

Concen: 23.247 ug/L

RT: 2.78 min Scan# 196

Delta R.T. -0.01 min

Lab File: VW004699.D

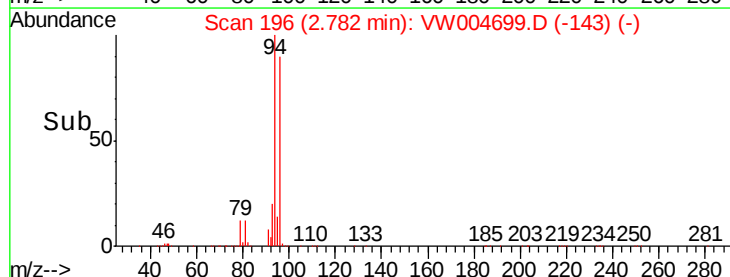
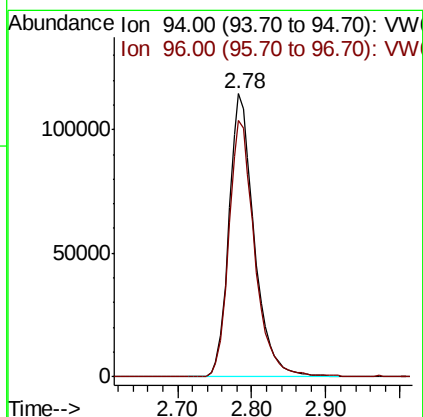
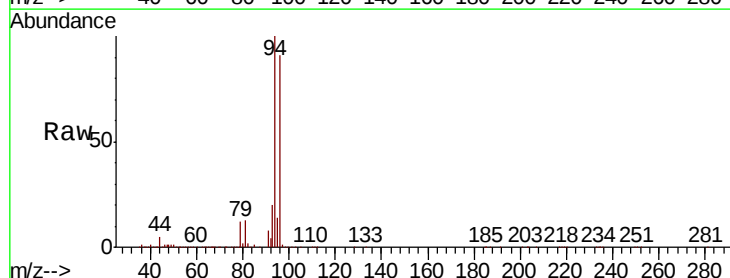
Acq: 15 Aug 2018 15:49

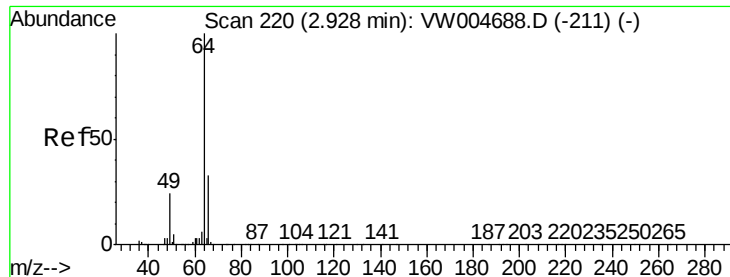
Tgt Ion: 94 Resp: 272188

Ion Ratio Lower Upper

94 100

96 91.4 9.3 177.7





#8

Chloroethane

Concen: 23.027 ug/L

RT: 2.93 min Scan# 220

Delta R.T. 0.00 min

Lab File: VW004699.D

Acq: 15 Aug 2018 15:49

Instrument :

MSVOA_W

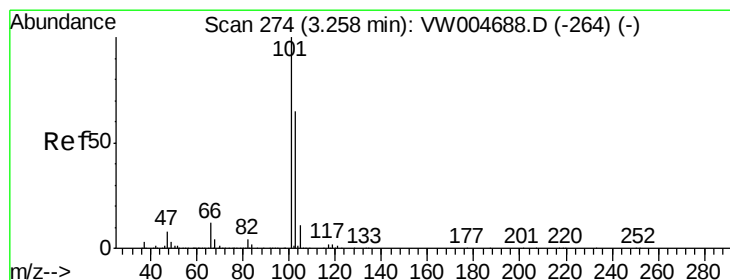
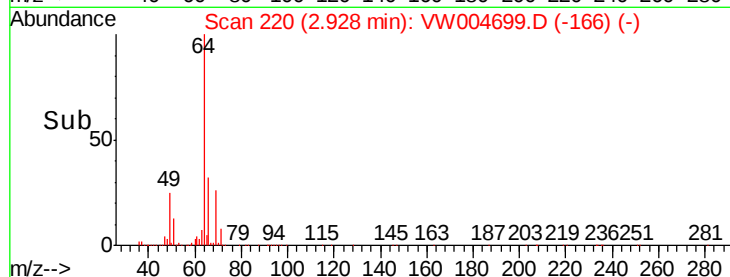
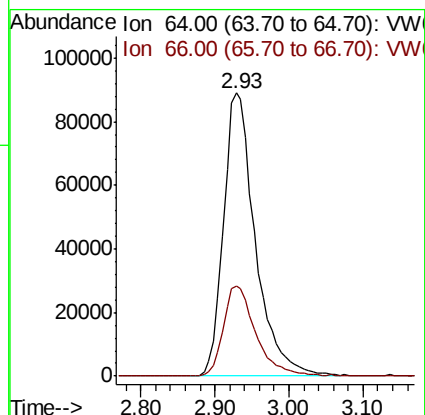
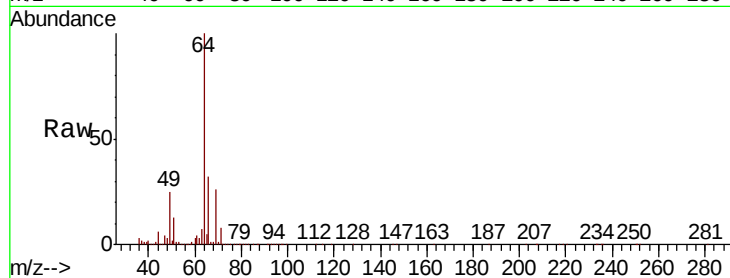
ClientSampleId :

Tot Ion: 64 Resp: 263857

Ion Ratio Lower Upper

64 100

66 31.9 24.2 45.0



#9

Trichlorofluoromethane

Concen: 22.162 ug/L

RT: 3.26 min Scan# 274

Delta R.T. 0.00 min

Lab File: VW004699.D

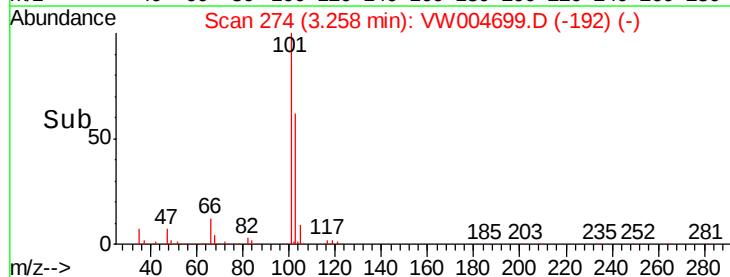
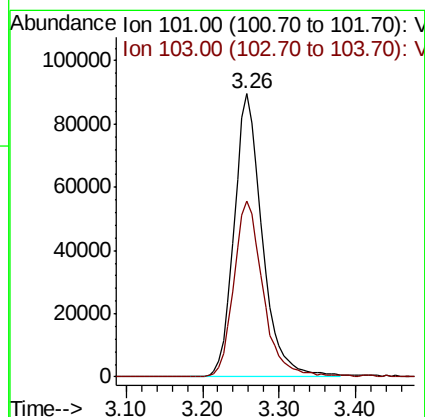
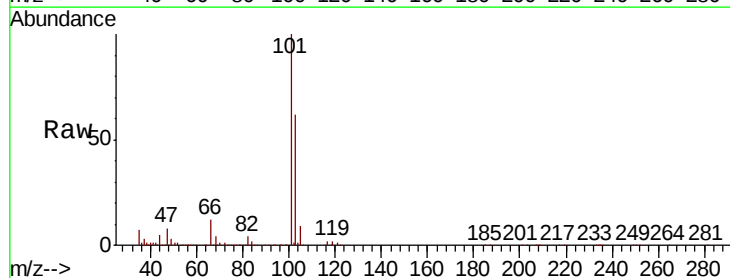
Acq: 15 Aug 2018 15:49

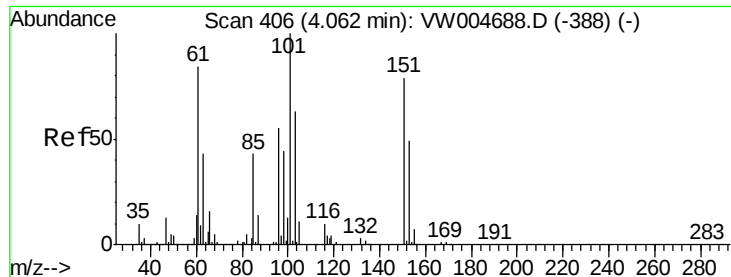
Tgt Ion: 101 Resp: 228114

Ion Ratio Lower Upper

101 100

103 63.8 45.1 83.7





#11

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

Concen: 24.011 ug/L

RT: 4.06 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW004699.D

Acq: 15 Aug 2018 15:49

Instrument :

MSVOA_W

ClientSampled :

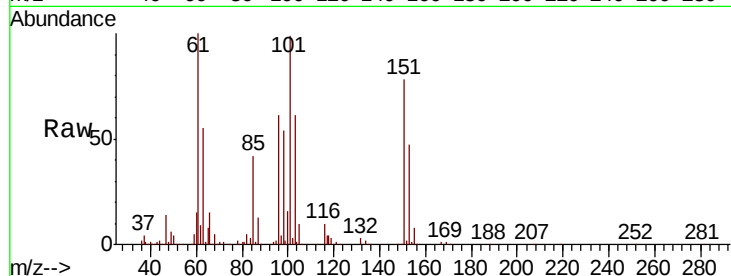
Tot Ion:101 Resp: 363212

Ion Ratio Lower Upper

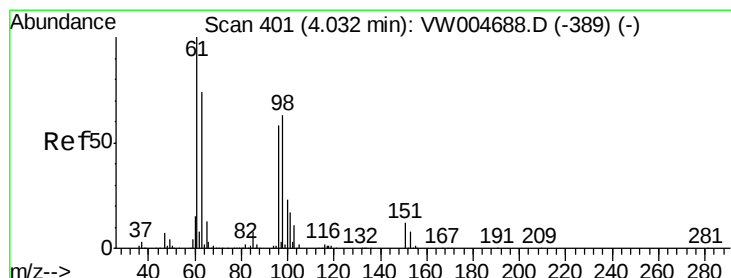
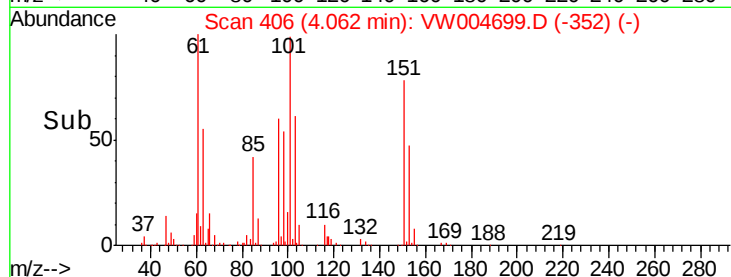
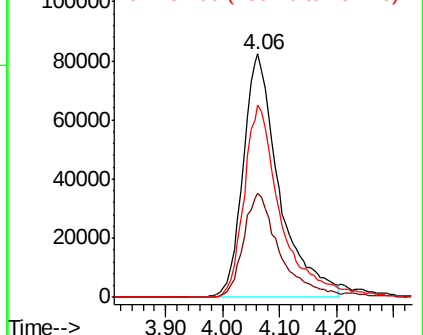
101 100

85 42.7 33.2 49.8

151 78.9 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: 23.386 ug/L

RT: 4.03 min Scan# 401

Delta R.T. -0.01 min

Lab File: VW004699.D

Acq: 15 Aug 2018 15:49

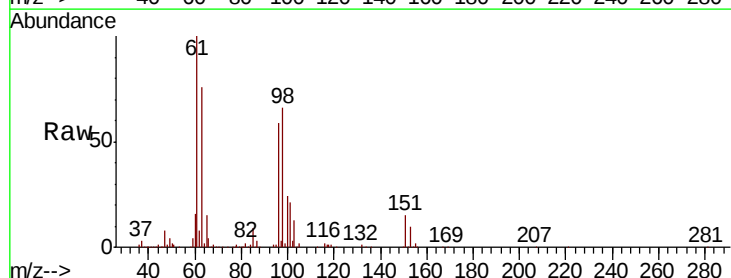
Tgt Ion: 96 Resp: 347309

Ion Ratio Lower Upper

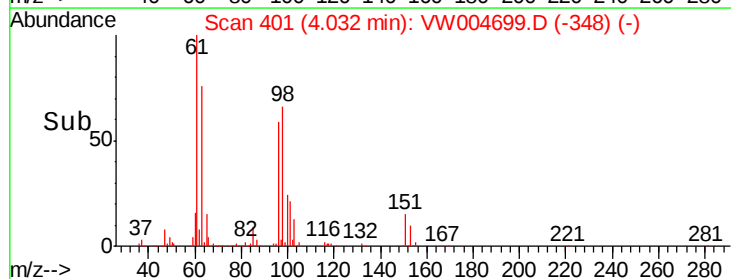
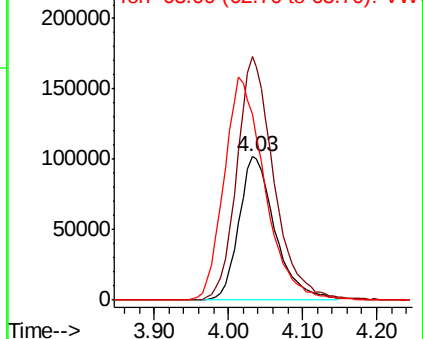
96 100

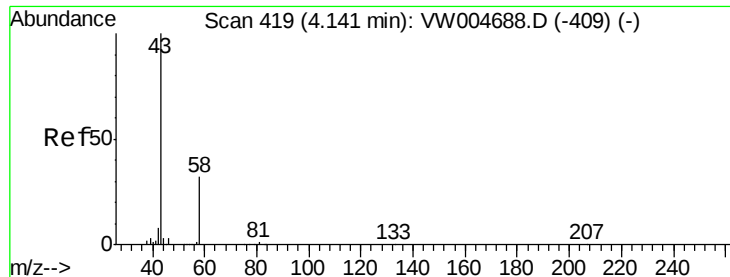
61 169.5 118.9 220.7

63 129.5 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: 53.370 ug/L

RT: 4.14 min Scan# 418

Delta R.T. 0.00 min

Lab File: VW004699.D

Acq: 15 Aug 2018 15:49

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MSVOA_W

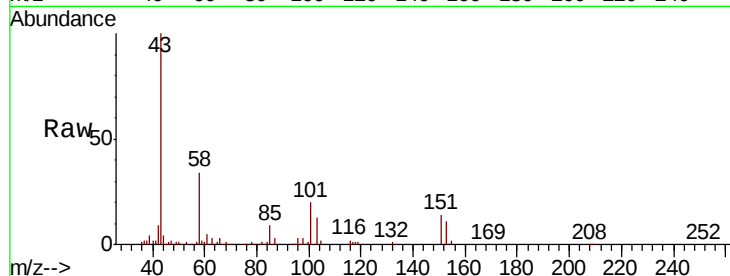
ClientSampled :

Tot Ion: 43 Resp: 208894

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

4.14

80000

60000

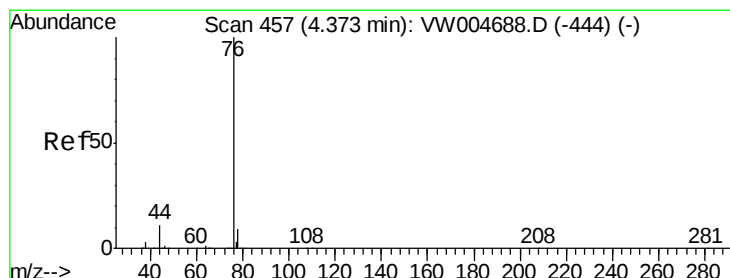
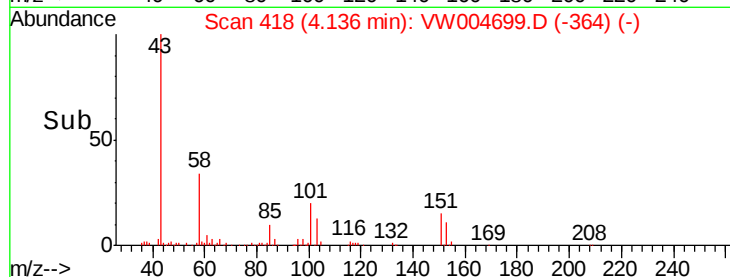
40000

20000

0

Time-->

4.00 4.10 4.20 4.30



#14

Carbon disulfide

Concen: 22.990 ug/L

RT: 4.38 min Scan# 458

Delta R.T. 0.00 min

Lab File: VW004699.D

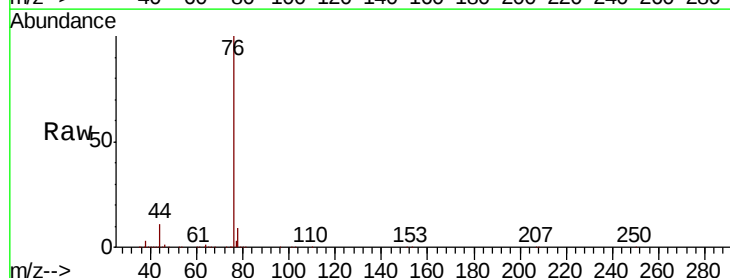
Acq: 15 Aug 2018 15:49

Tgt Ion: 76 Resp: 1190369

Ion Ratio Lower Upper

76 100

78 8.5 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.38

400000

300000

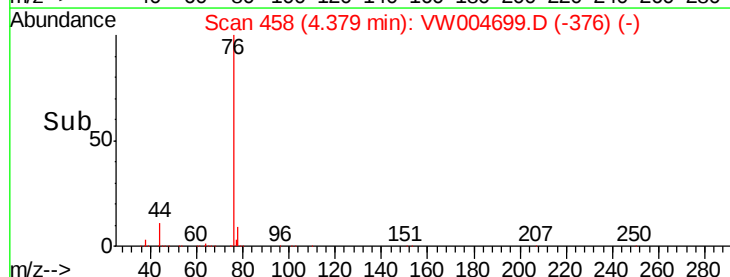
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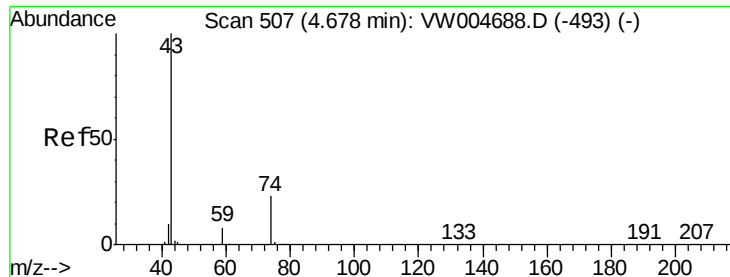
100000

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Time-->

4.20 4.30 4.40 4.50 4.60





#15

Methyl Acetate

Concen: 26.369 ug/L

RT: 4.67 min Scan# 506

Delta R.T. -0.01 min

Lab File: VW004699.D

Acq: 15 Aug 2018 15:49

Instrument :

MSVOA_W

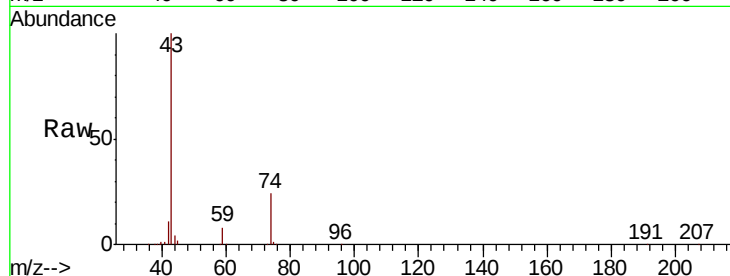
ClientSampled :

Tot Ion: 43 Resp: 223044

Ion Ratio Lower Upper

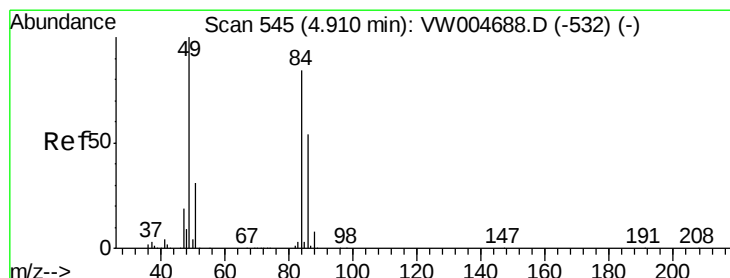
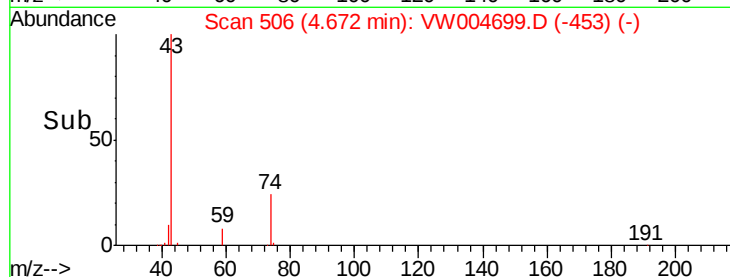
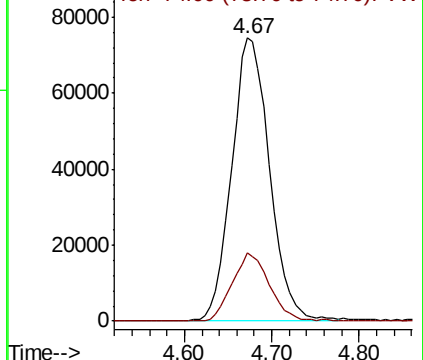
43 100

74 23.6 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 20.527 ug/L

RT: 4.92 min Scan# 546

Delta R.T. 0.00 min

Lab File: VW004699.D

Acq: 15 Aug 2018 15:49

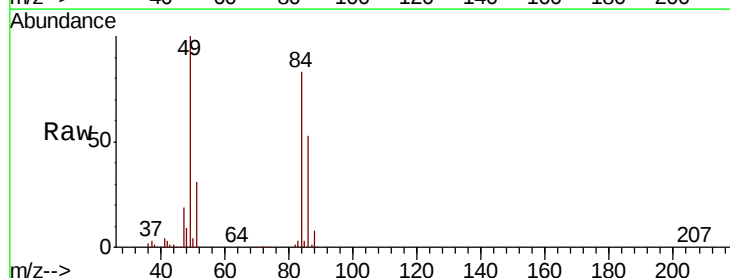
Tgt Ion: 84 Resp: 406720

Ion Ratio Lower Upper

84 100

49 120.0 84.9 157.7

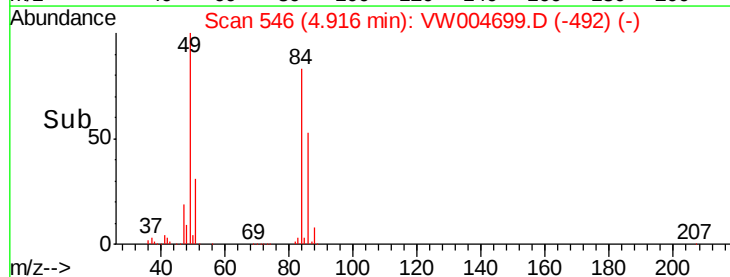
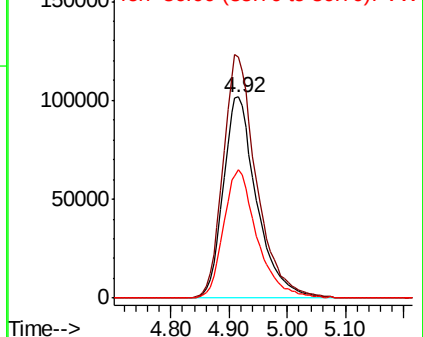
86 64.0 45.7 84.9

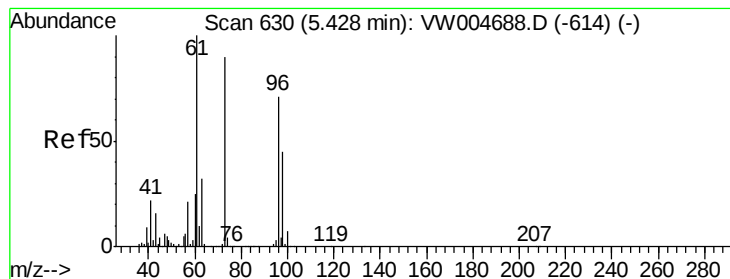


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW



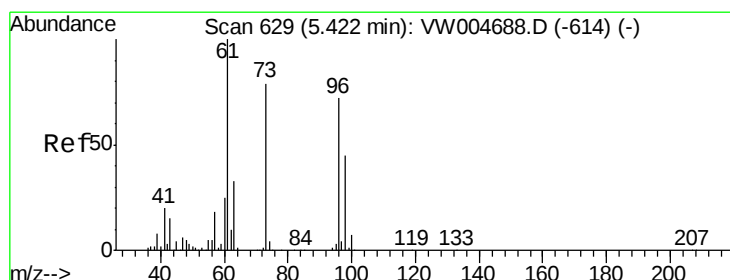
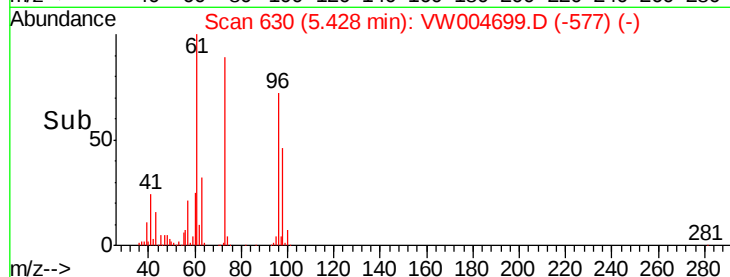
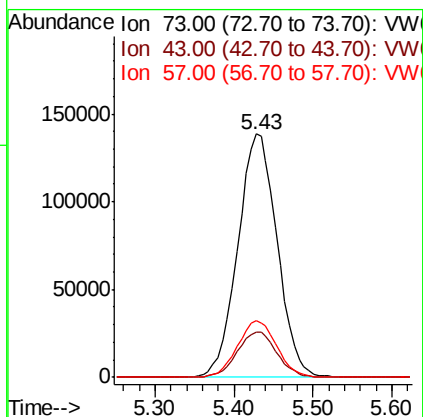
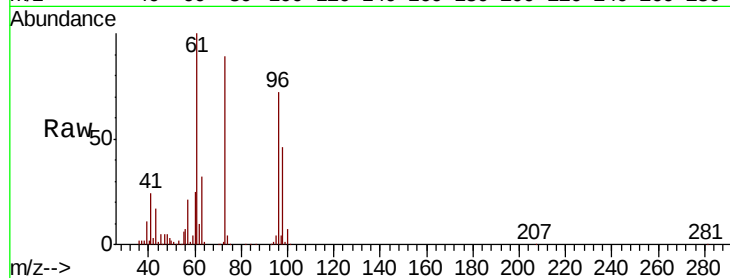


#17

Methvl tert-butvl Ether
 Concen: 24.760 ug/L
 RT: 5.43 min Scan# 630
 Delta R.T. -0.01 min
 Lab File: VW004699.D
 Acq: 15 Aug 2018 15:49

Instrument :
 MSVOA_W
 ClientSampleId :

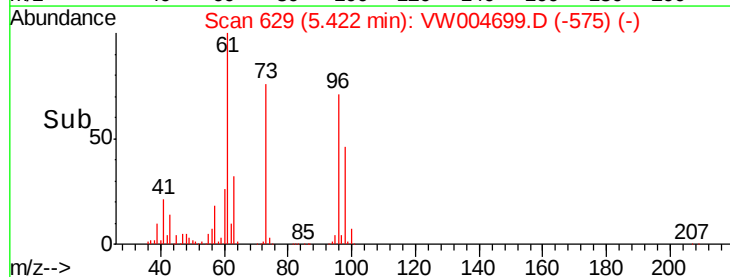
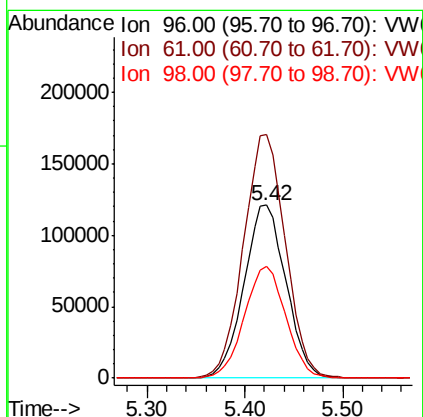
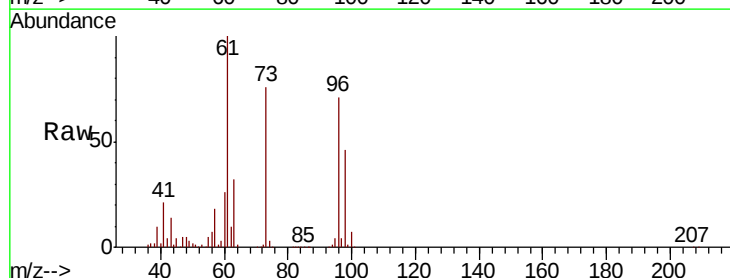
Tot Ion	Ratio	Lower	Upper
73	100		
43	18.7	15.0	22.6
57	23.2	18.6	27.8

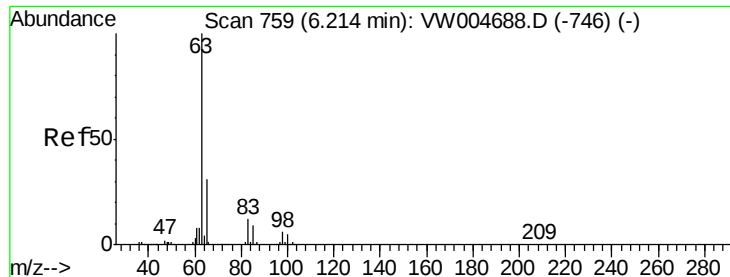


#18

trans-1,2-Dichloroethene
 Concen: 23.678 ug/L
 RT: 5.42 min Scan# 629
 Delta R.T. 0.00 min
 Lab File: VW004699.D
 Acq: 15 Aug 2018 15:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.7	96.1	178.5
98	64.6	43.3	80.5

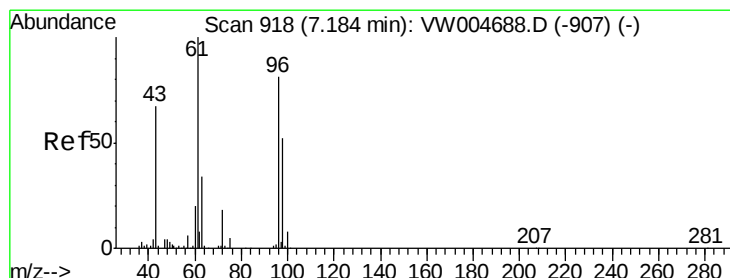
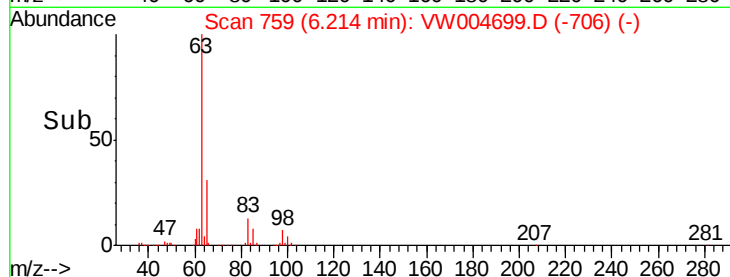
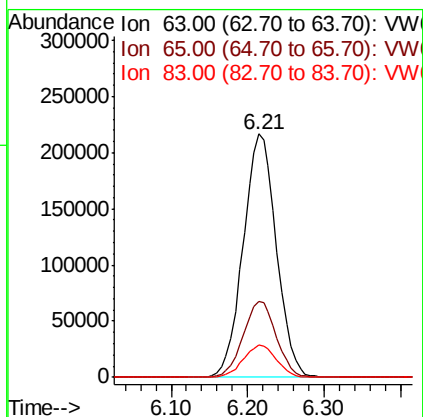
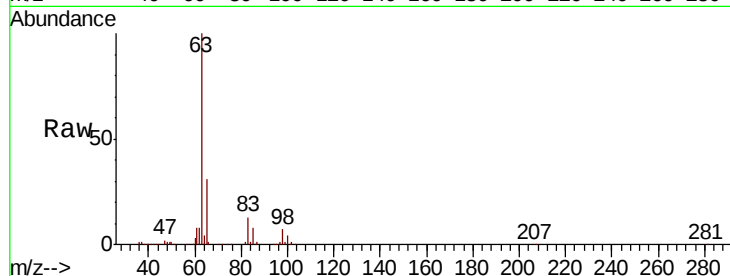




#19
 1,1-Dichloroethane
 Concen: 24.133 ug/L
 RT: 6.21 min Scan# 759
 Delta R.T. -0.01 min
 Lab File: VW004699.D
 Acq: 15 Aug 2018 15:49

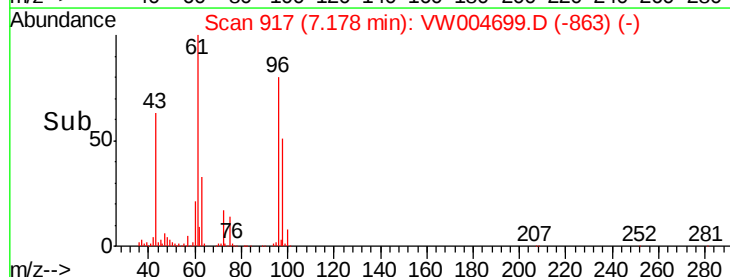
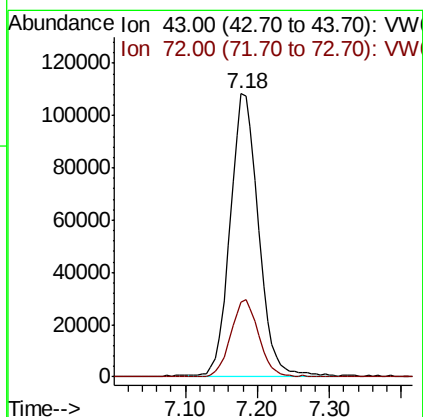
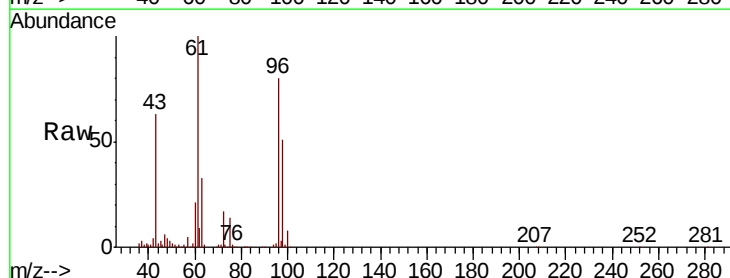
Instrument :
 MSVOA_W
 ClientSampleId :

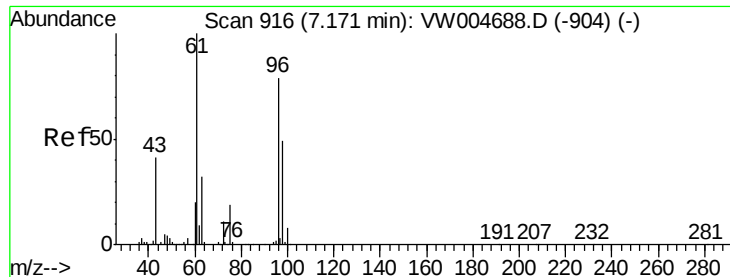
Tot Ion	63	Resp	651140
Ion Ratio	Lower	Upper	
63	100		
65	31.3	21.2	39.4
83	13.3	9.2	17.0



#21
 2-Butanone
 Concen: 54.423 ug/L
 RT: 7.18 min Scan# 917
 Delta R.T. 0.00 min
 Lab File: VW004699.D
 Acq: 15 Aug 2018 15:49

Tgt Ion	43	Resp	297922
Ion Ratio	Lower	Upper	
43	100		
72	26.8	14.1	42.2



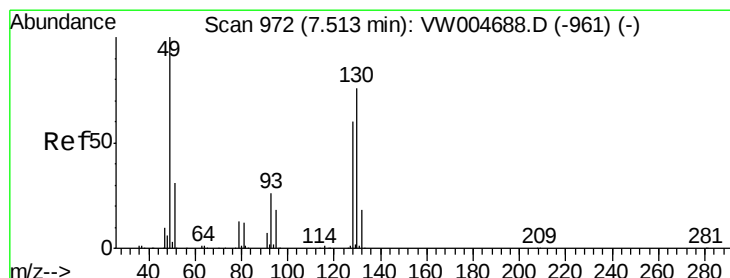
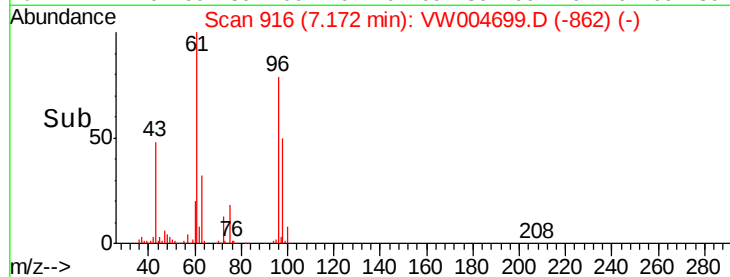
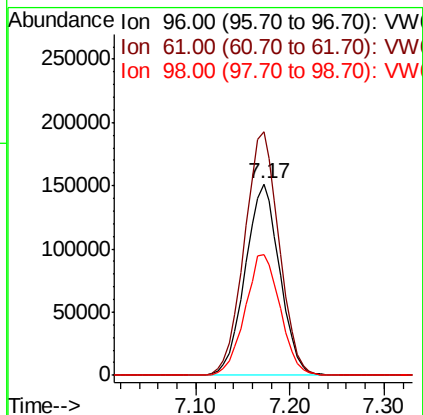
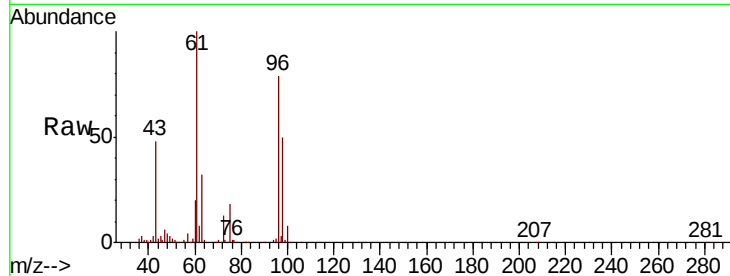


#22

cis-1,2-Dichloroethene
 Concen: 24.131 ug/L
 RT: 7.17 min Scan# 916
 Delta R.T. 0.00 min
 Lab File: VW004699.D
 Acq: 15 Aug 2018 15:49

Instrument :
 MSVOA_W
 ClientSampled :

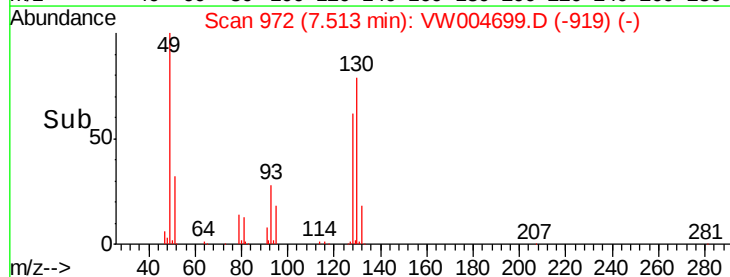
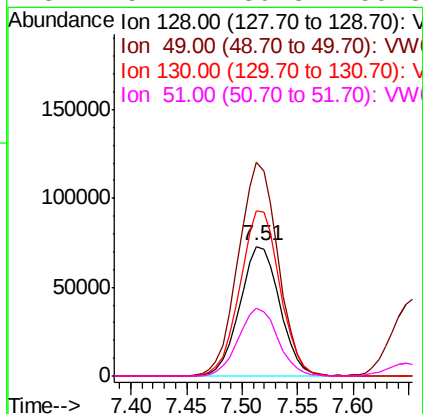
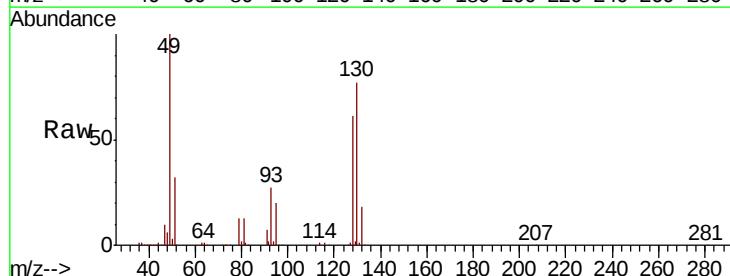
Tot Ion	Ratio	Lower	Upper
96	100		
61	127.3	89.6	166.4
98	63.0	44.5	82.7

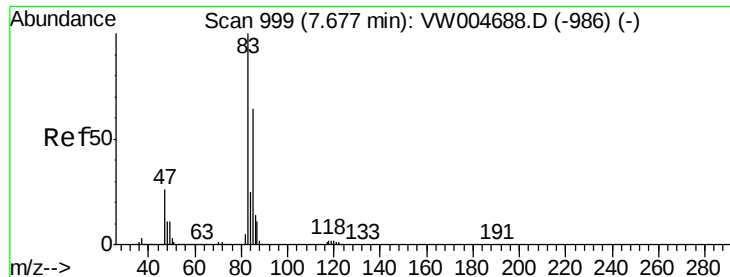


#23

Bromochloromethane
 Concen: 24.231 ug/L
 RT: 7.51 min Scan# 972
 Delta R.T. -0.01 min
 Lab File: VW004699.D
 Acq: 15 Aug 2018 15:49

Tgt Ion	Ratio	Lower	Upper
128	100		
49	164.8	116.0	215.4
130	127.7	86.6	160.8
51	52.4	39.8	59.8





#25

Chloroform

Concen: 24.297 ug/L

RT: 7.68 min Scan# 999

Delta R.T. 0.00 min

Lab File: VW004699.D

Acq: 15 Aug 2018 15:49

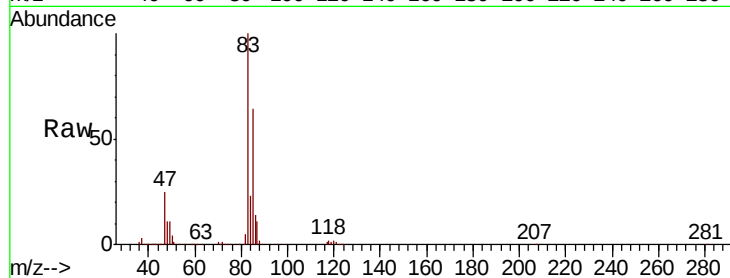
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 83 Resp: 652358

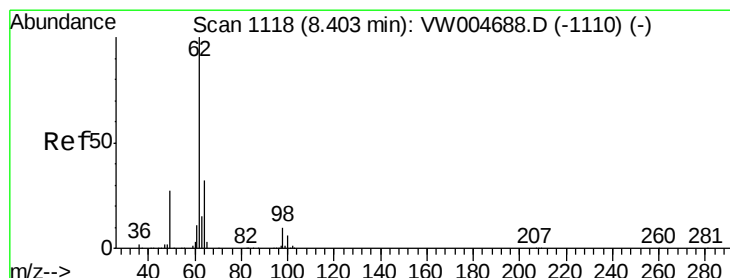
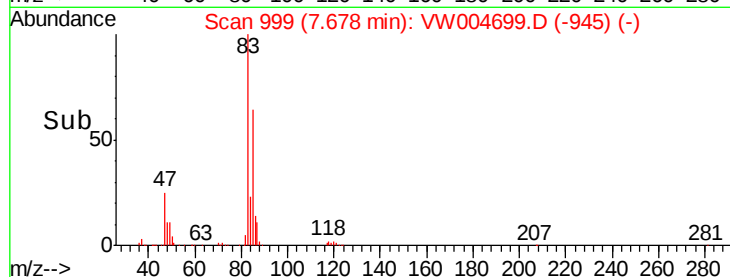
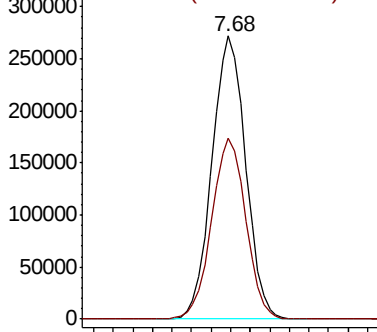
Ion Ratio Lower Upper

83 100

85 64.8 45.5 84.5



Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 24.468 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VW004699.D

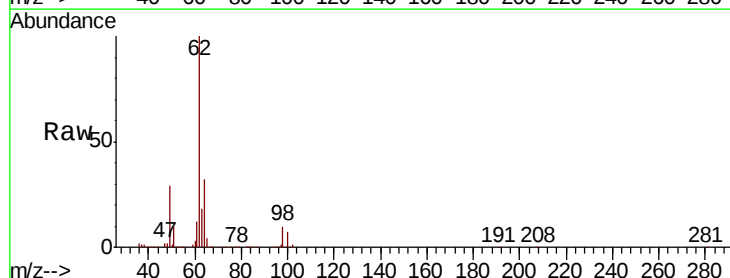
Acq: 15 Aug 2018 15:49

Tgt Ion: 62 Resp: 424730

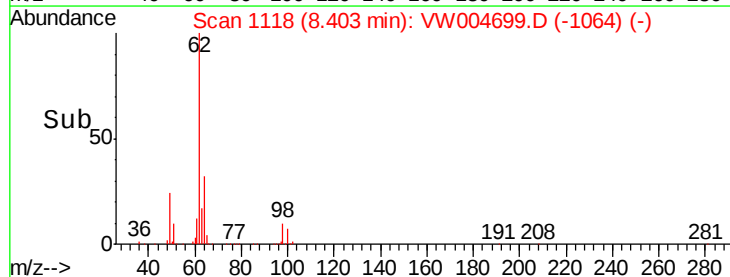
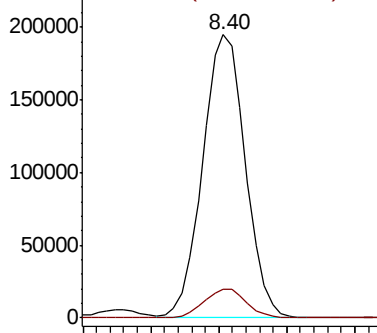
Ion Ratio Lower Upper

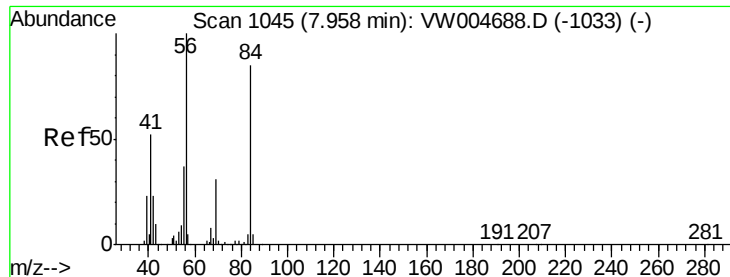
62 100

98 9.9 7.8 11.8



Abundance Ion 62.00 (61.70 to 62.70): VW
Ion 98.00 (97.70 to 98.70): VW

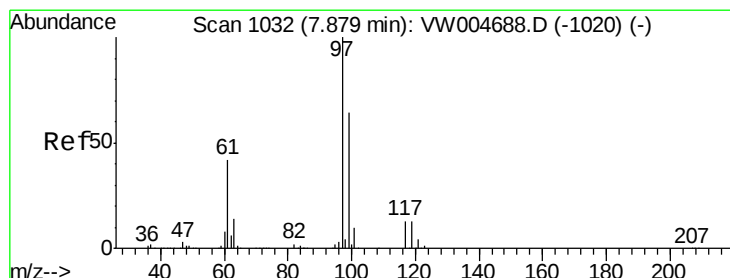
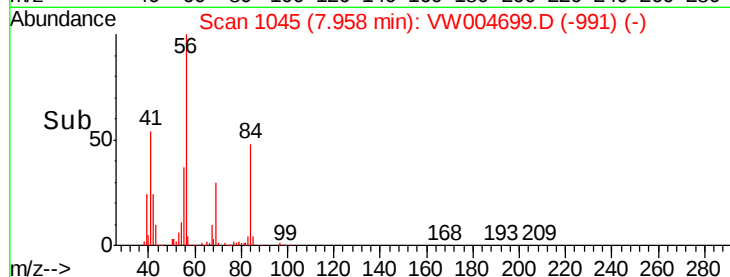
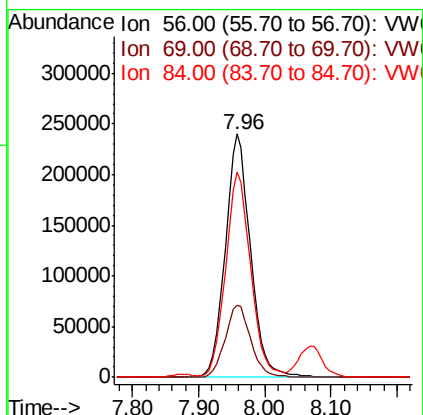
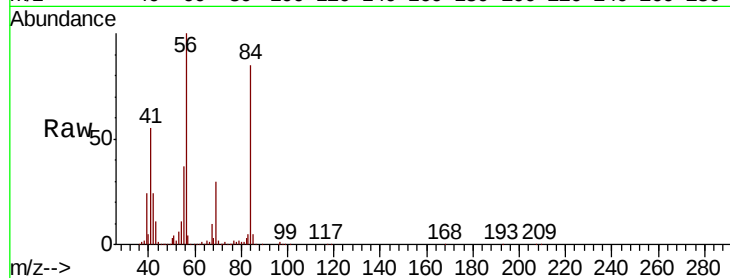




#30
Cyclohexane
Concen: 25.748 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VW004699.D
Acq: 15 Aug 2018 15:49

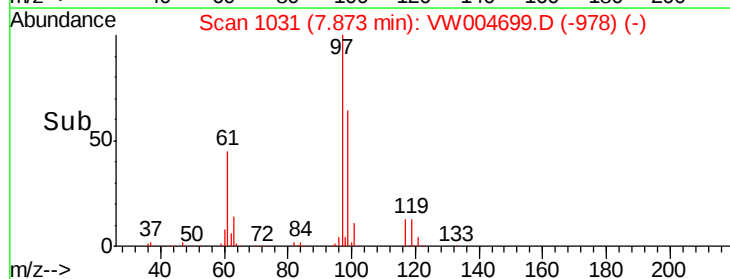
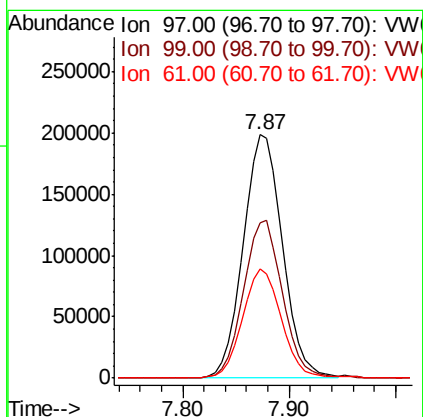
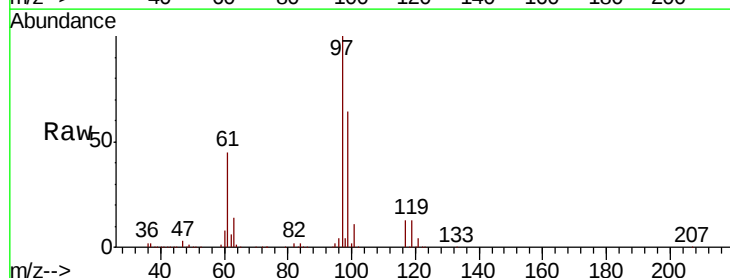
Instrument :
MSVOA_W
ClientSampleId :

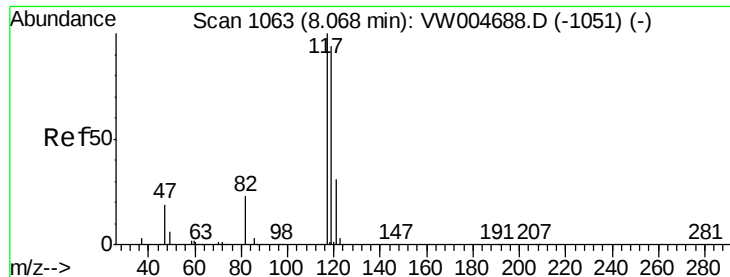
Tot Ion	56	Resp	632885
Ion	Ratio	Lower	Upper
56	100		
69	30.2	23.9	35.9
84	83.6	66.4	99.6



#31
1,1,1-Trichloroethane
Concen: 24.469 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VW004699.D
Acq: 15 Aug 2018 15:49

Tgt Ion	97	Resp	514855
Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.3	76.9
61	44.6	35.6	53.4





#32

Carbon tetrachloride

Concen: 24.350 ug/L

RT: 8.07 min Scan# 1064

Delta R.T. 0.00 min

Lab File: VW004699.D

Acq: 15 Aug 2018 15:49

Instrument :

MSVOA_W

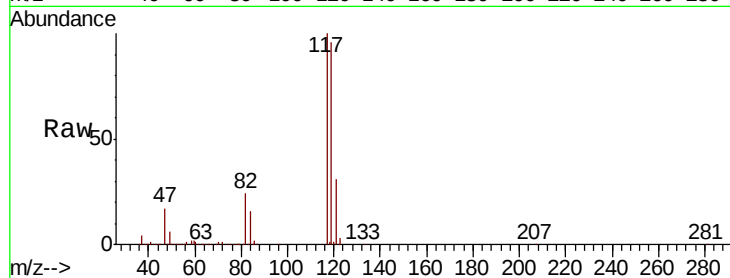
ClientSampleId :

Tot Ion:117 Resp: 487466

Ion Ratio Lower Upper

117 100

119 96.6 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

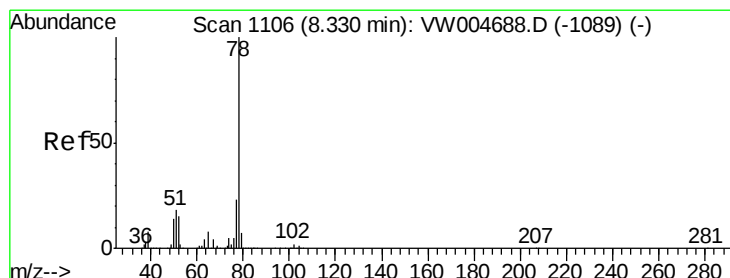
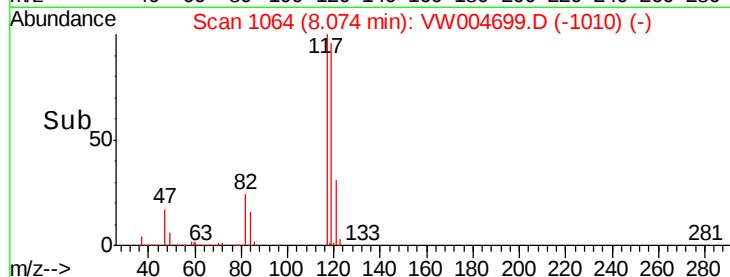
150000

100000

50000

0

Time-->



#34

Benzene

Concen: 25.003 ug/L

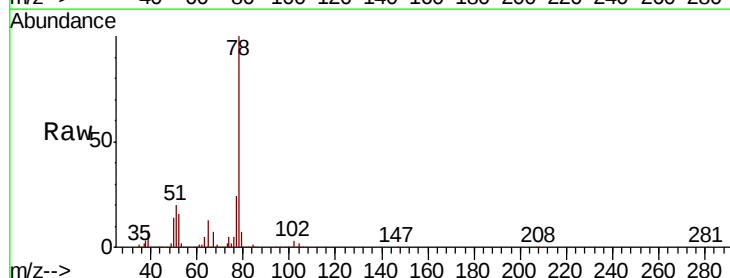
RT: 8.32 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VW004699.D

Acq: 15 Aug 2018 15:49

Tgt Ion: 78 Resp: 1496869



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

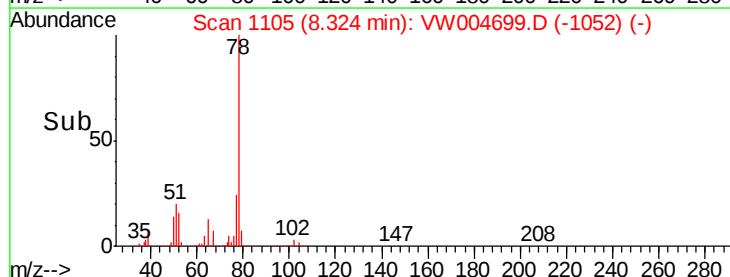
600000

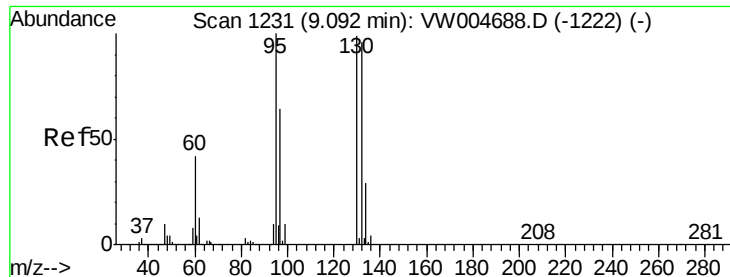
400000

200000

0

Time-->

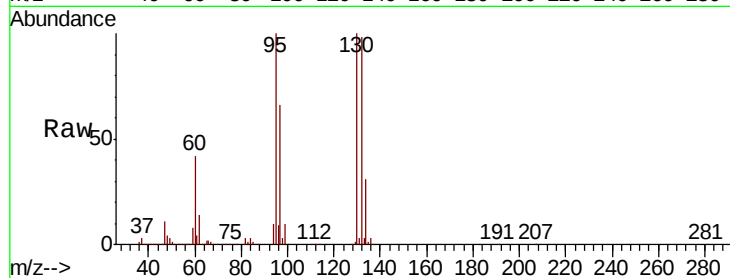




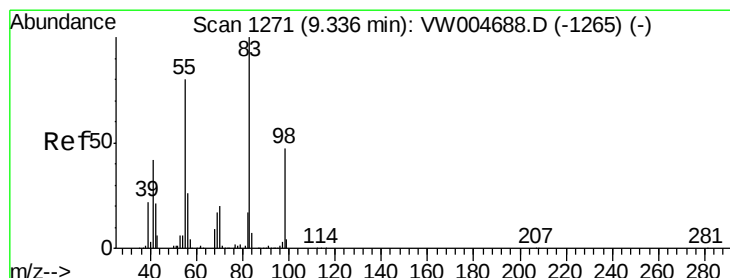
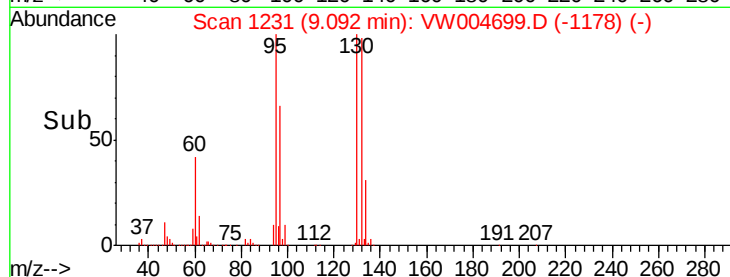
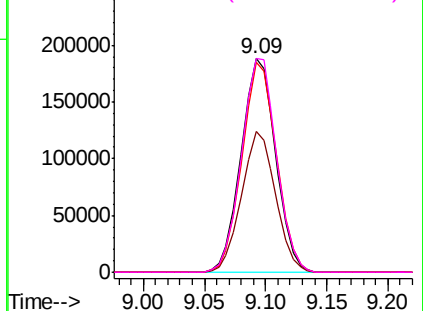
#35
 Trichloroethene
 Concen: 24.589 ug/L
 RT: 9.09 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VW004699.D
 Acq: 15 Aug 2018 15:49

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:	95	Resp:	370451
Ion	Ratio	Lower	Upper
95	100		
97	64.7	45.1	83.9
132	97.8	68.8	127.8
130	101.0	71.5	132.9

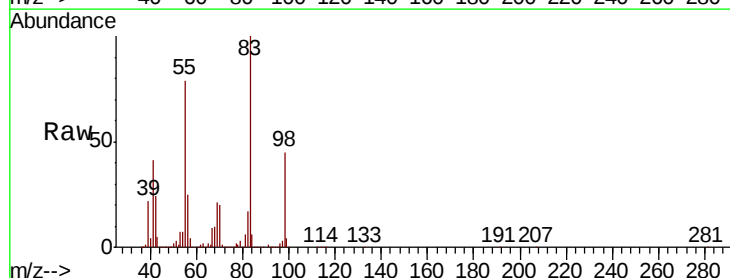


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

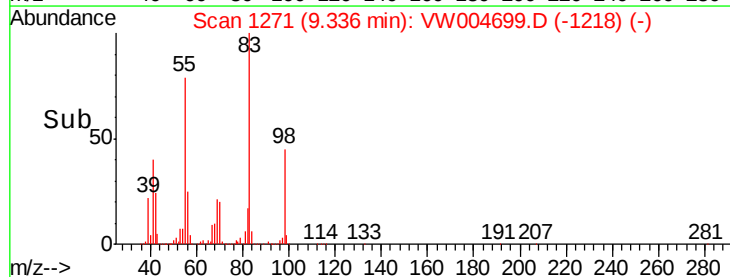
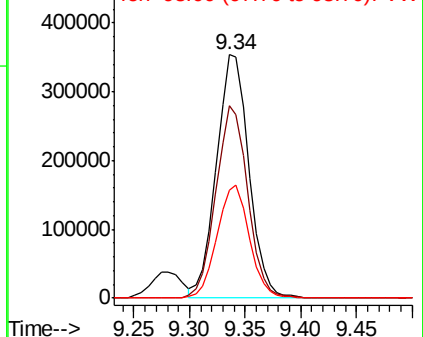


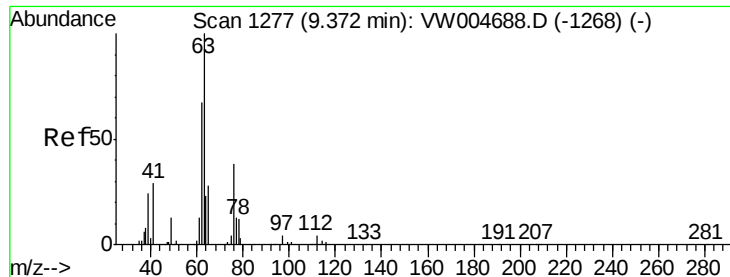
#36
 Methylcyclohexane
 Concen: 25.453 ug/L
 RT: 9.34 min Scan# 1271
 Delta R.T. -0.01 min
 Lab File: VW004699.D
 Acq: 15 Aug 2018 15:49

Tgt Ion:	83	Resp:	715519
Ion	Ratio	Lower	Upper
83	100		
55	77.7	61.4	92.2
98	45.9	36.2	54.4



Abundance Ion 83.00 (82.70 to 83.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 98.00 (97.70 to 98.70): VW

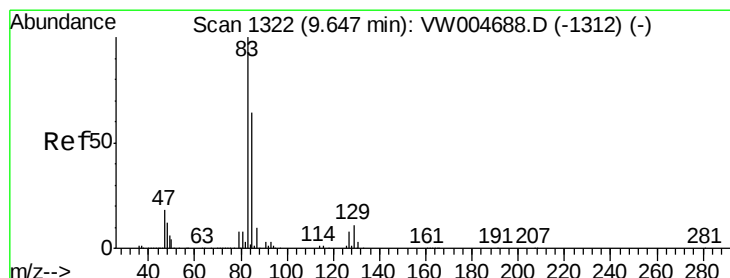
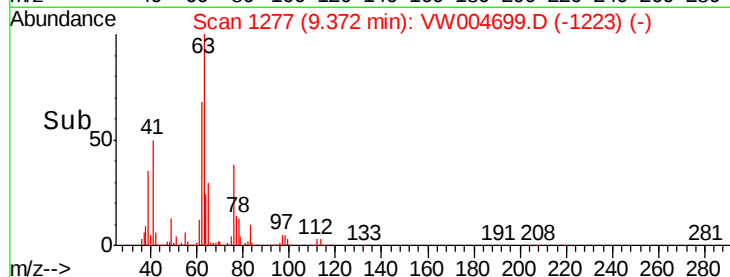
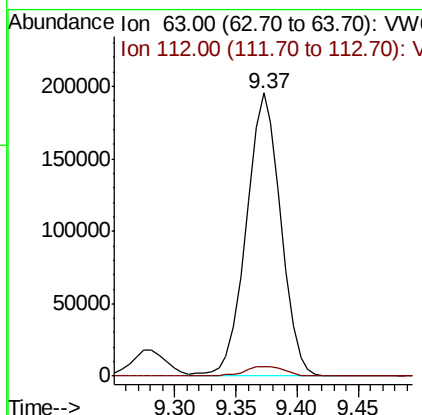
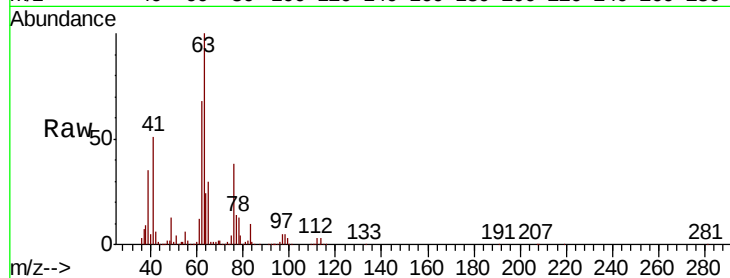




#40
 1,2-Dichloropropane
 Concen: 25.295 ug/L
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW004699.D
 Acq: 15 Aug 2018 15:49

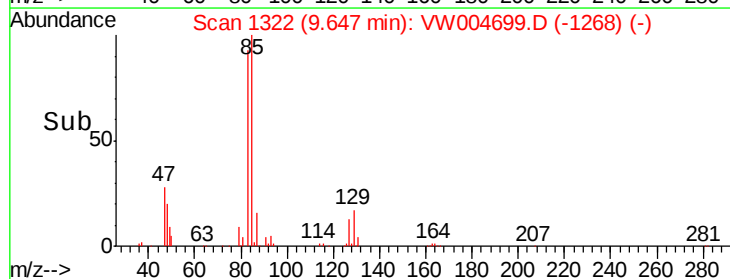
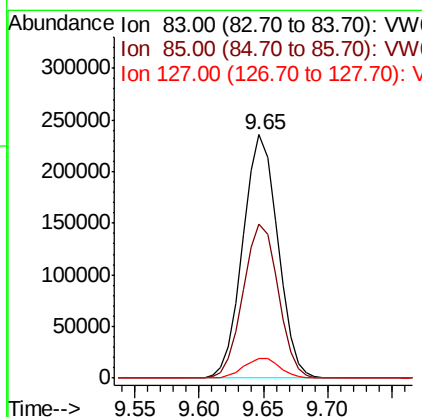
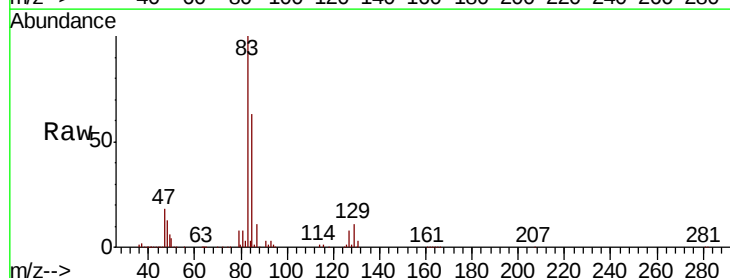
Instrument :
 MSVOA_W
 ClientSampleId :

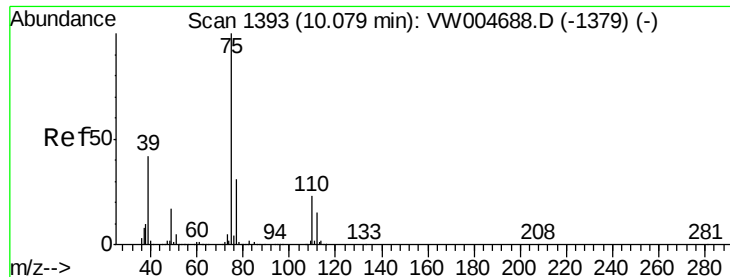
Tot Ion: 63 Resp: 384247
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.4 5.0



#41
 Bromodichloromethane
 Concen: 24.929 ug/L
 RT: 9.65 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VW004699.D
 Acq: 15 Aug 2018 15:49

Tgt Ion: 83 Resp: 442453
 Ion Ratio Lower Upper
 83 100
 85 63.2 44.9 83.5
 127 8.3 7.0 10.6





#42

cis-1,3-Dichloropropene

Concen: 24.737 ug/L

RT: 10.07 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VW004699.D

Acq: 15 Aug 2018 15:49

Instrument :

MSVOA_W

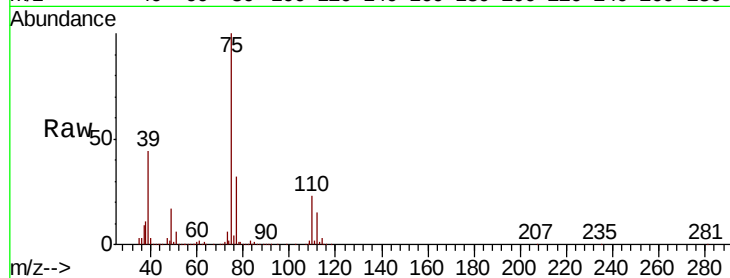
ClientSampleId :

Tot Ion: 75 Resp: 523014

Ion Ratio Lower Upper

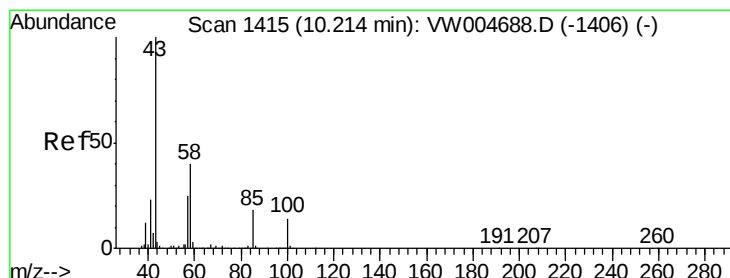
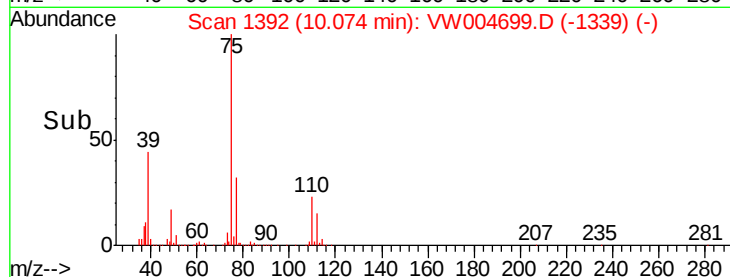
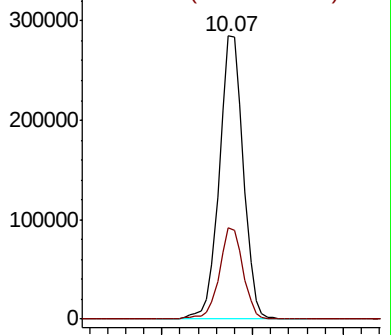
75 100

77 32.1 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#43

4-Methyl-2-pentanone

Concen: 56.471 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW004699.D

Acq: 15 Aug 2018 15:49

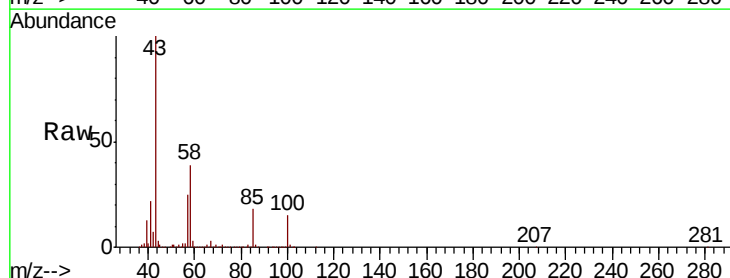
Tgt Ion: 43 Resp: 568014

Ion Ratio Lower Upper

43 100

58 39.9 31.8 47.8

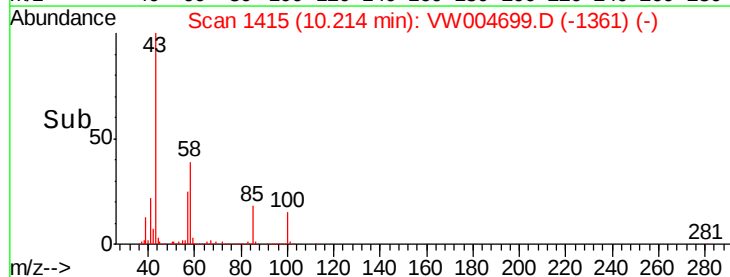
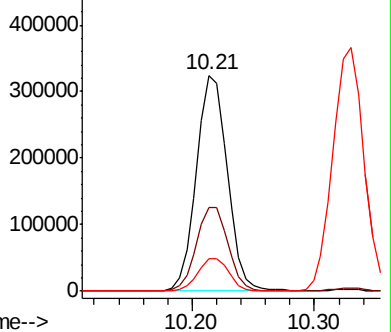
100 15.2 12.2 18.4

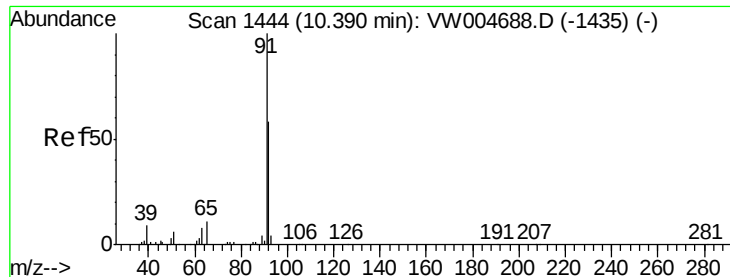


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW





#44

Toluene

Concen: 25.267 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004699.D

Acq: 15 Aug 2018 15:49

Instrument :

MSVOA_W

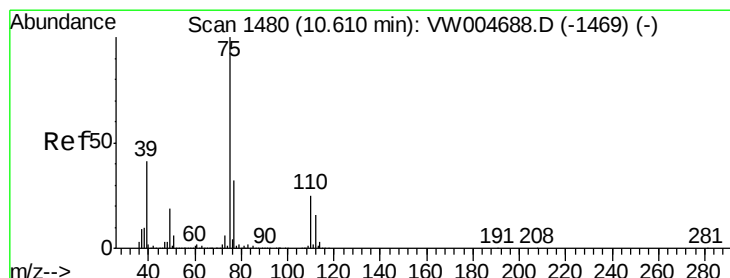
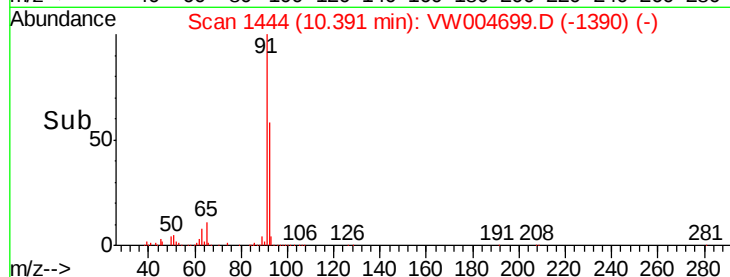
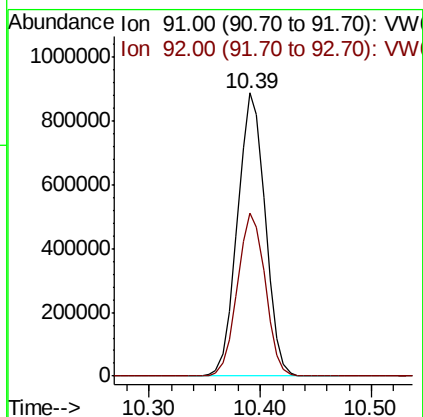
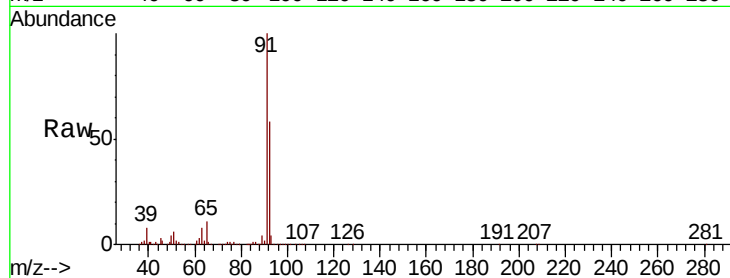
ClientSampleId :

Tot Ion: 91 Resp: 1531735

Ion Ratio Lower Upper

91 100

92 57.6 40.3 74.8



#45

trans-1,3-Dichloropropene

Concen: 25.399 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004699.D

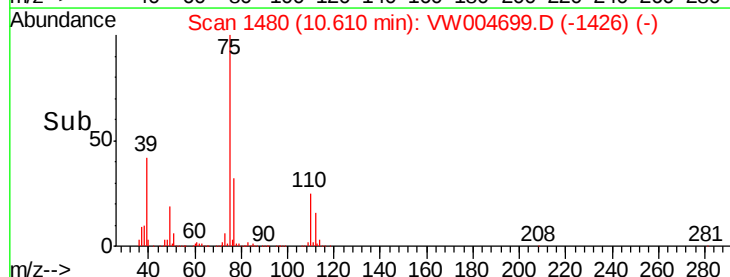
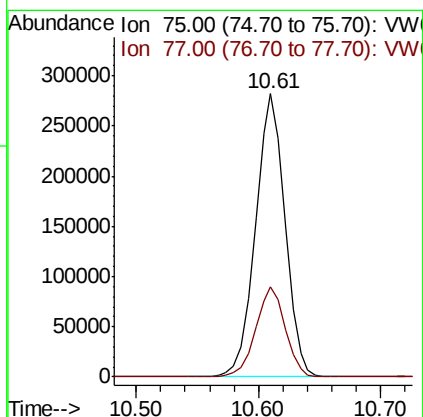
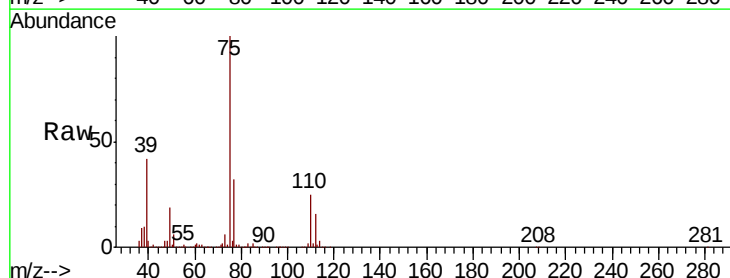
Acq: 15 Aug 2018 15:49

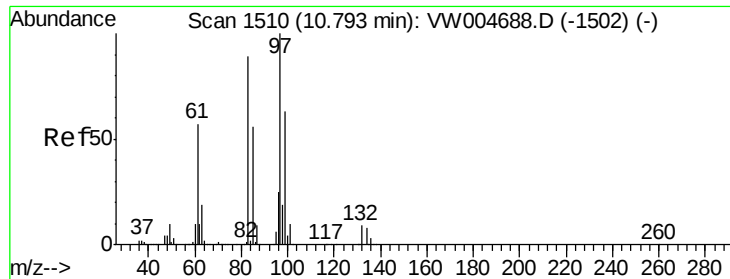
Tgt Ion: 75 Resp: 473495

Ion Ratio Lower Upper

75 100

77 31.8 21.8 40.6

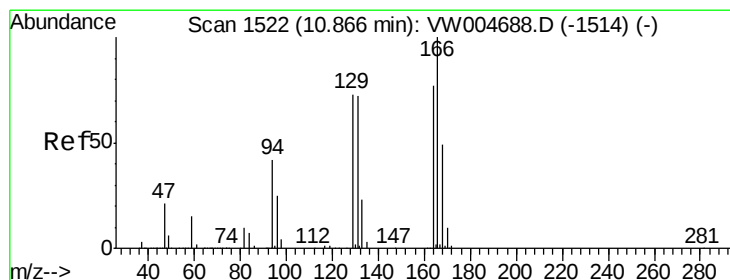
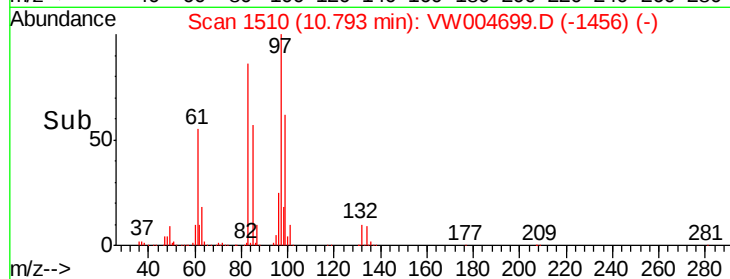
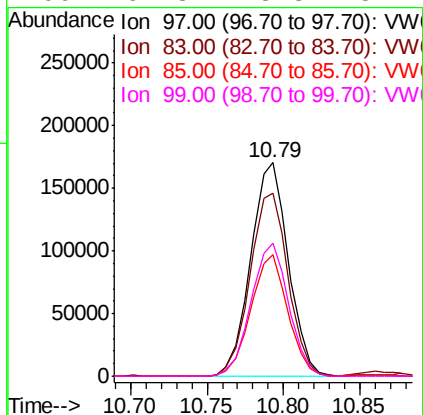
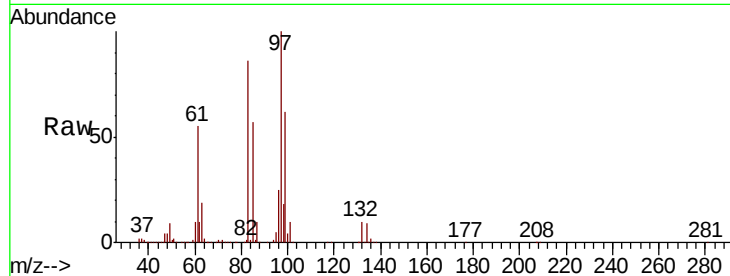




#46
 1,1,2-Trichloroethane
 Concen: 25.397 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW004699.D
 Acq: 15 Aug 2018 15:49

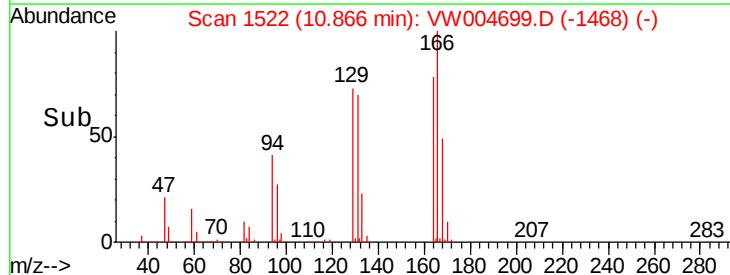
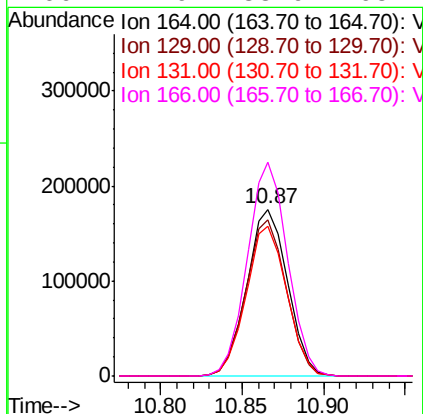
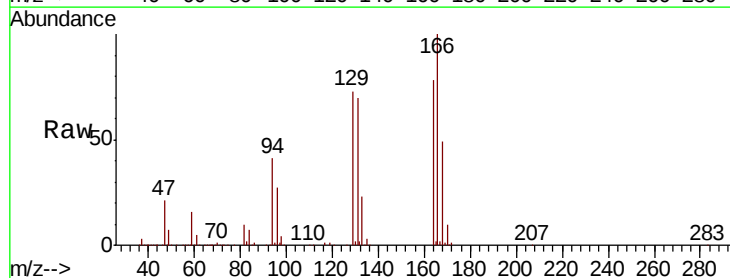
Instrument :
 MSVOA_W
 ClientSampled :

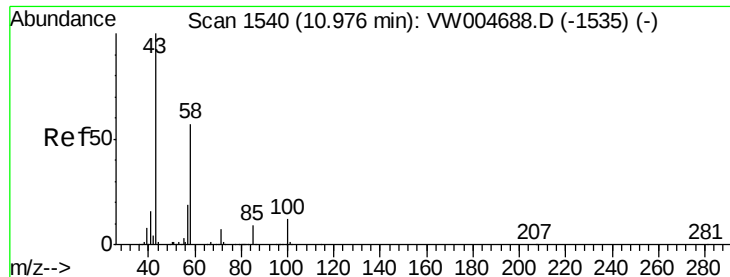
Tot Ion:	97	Resp:	291605
Ion	Ratio	Lower	Upper
97	100		
83	85.8	60.6	112.6
85	56.6	37.9	70.5
99	62.3	43.8	81.4



#47
 Tetrachloroethene
 Concen: 24.391 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. 0.00 min
 Lab File: VW004699.D
 Acq: 15 Aug 2018 15:49

Tgt Ion:	164	Resp:	304880
Ion	Ratio	Lower	Upper
164	100		
129	93.7	65.0	120.6
131	89.9	62.2	115.4
166	127.9	88.9	165.1

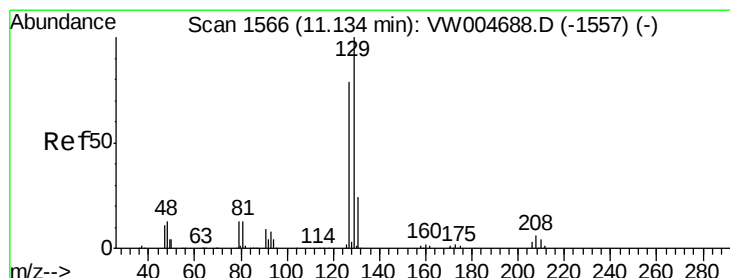
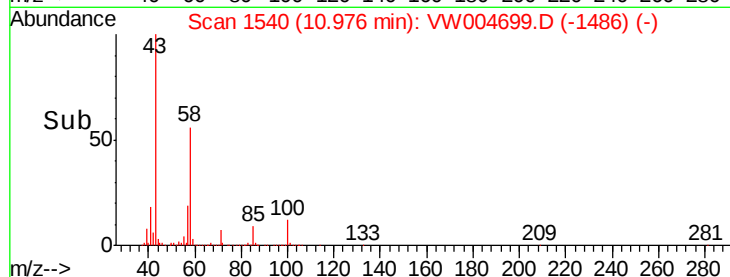
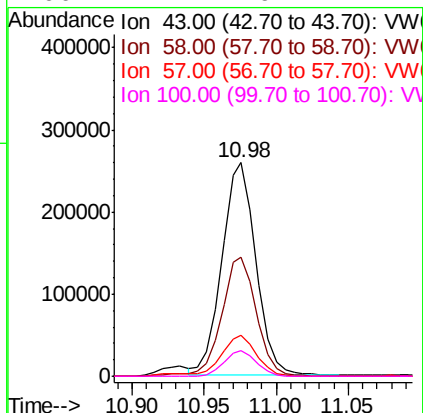
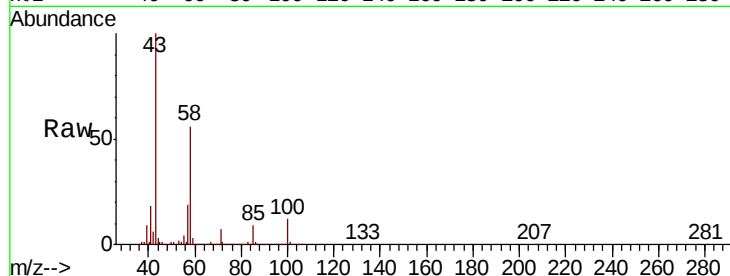




#49
2-Hexanone
Concen: 58.511 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004699.D
Acq: 15 Aug 2018 15:49

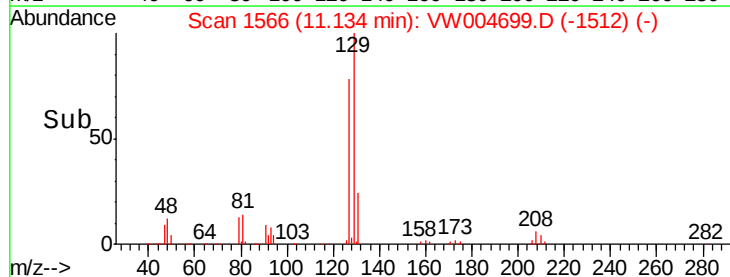
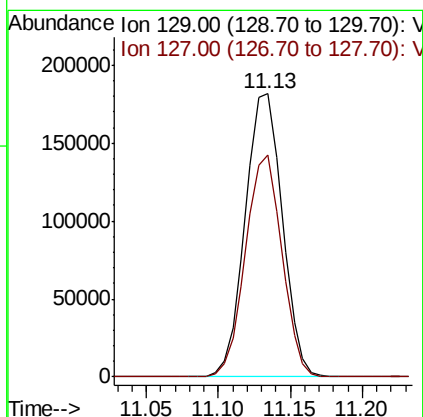
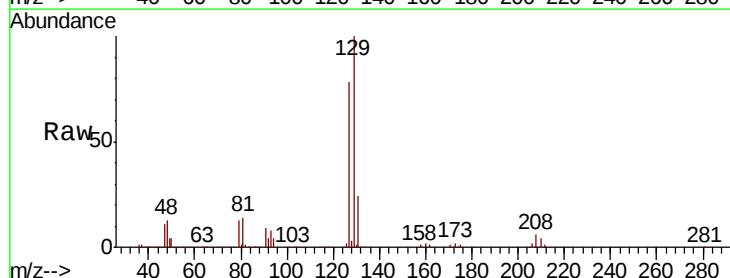
Instrument :
MSVOA_W
ClientSampleId :

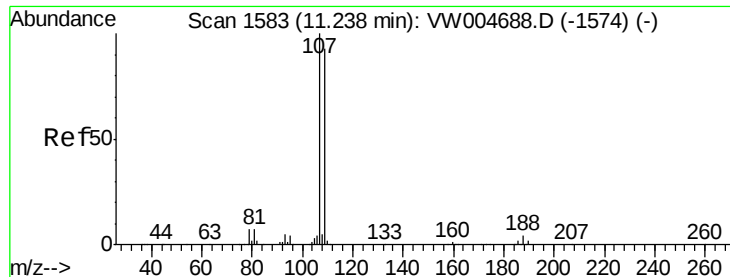
Tot Ion	Ratio	Lower	Upper
43	100		
58	56.3	44.4	66.6
57	19.4	14.8	22.2
100	11.7	9.4	14.2



#50
Dibromochloromethane
Concen: 25.112 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW004699.D
Acq: 15 Aug 2018 15:49

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.2	53.3	98.9

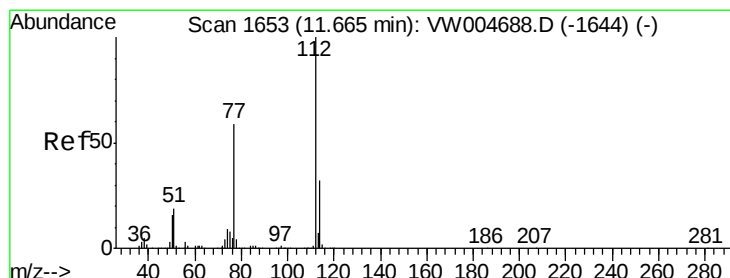
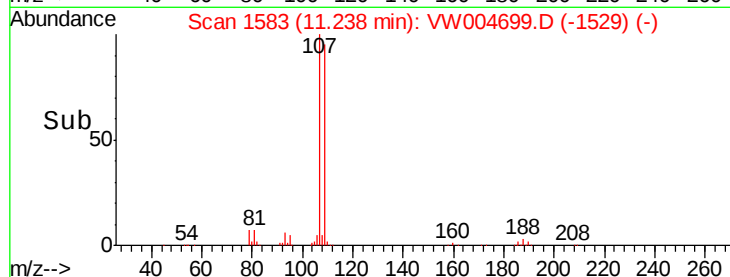
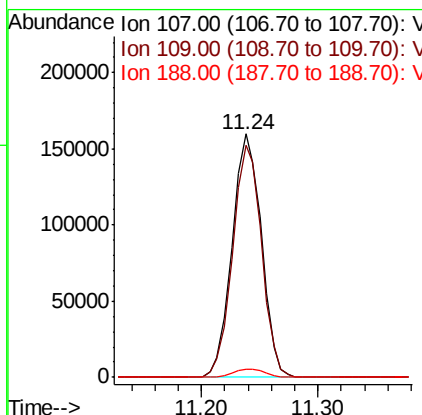
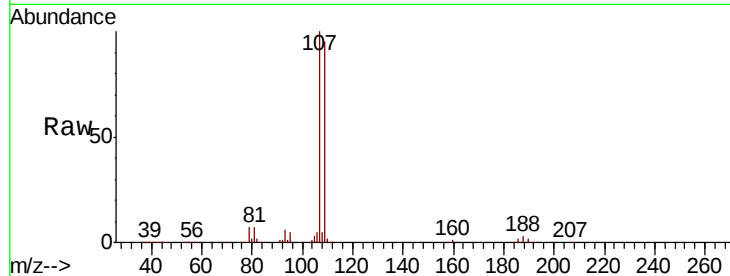




#51
 1,2-Dibromoethane
 Concen: 25.284 ug/L
 RT: 11.24 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VW004699.D
 Acq: 15 Aug 2018 15:49

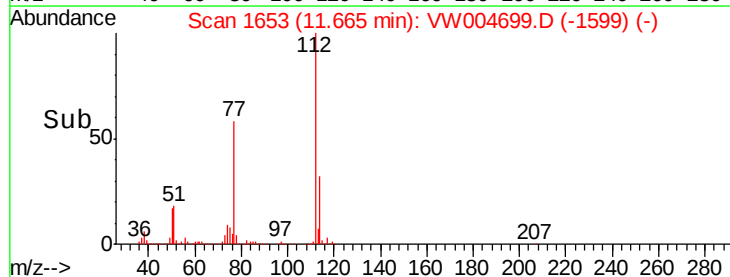
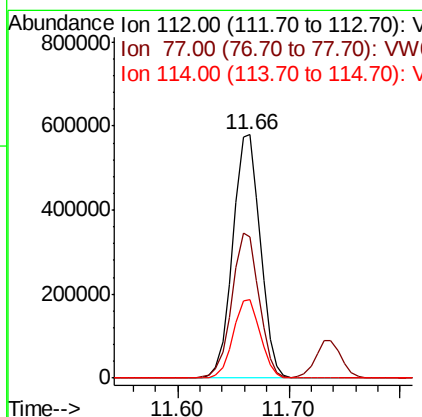
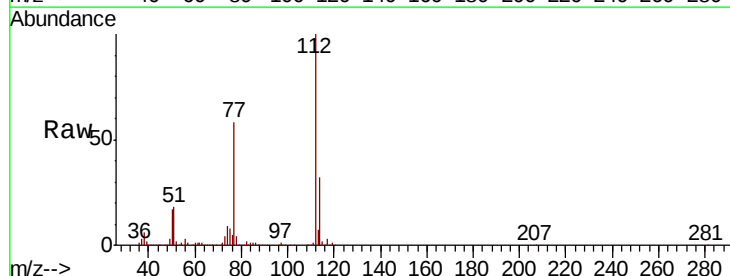
Instrument :
 MSVOA_W
 ClientSampleId :

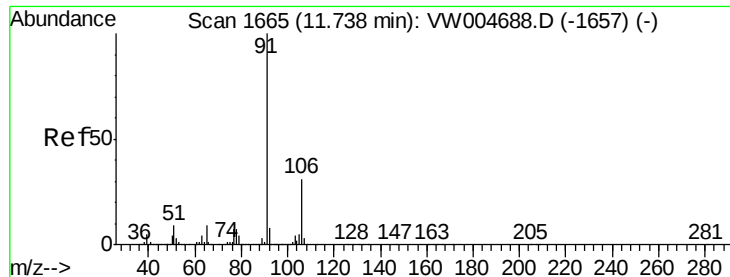
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	64.5	119.9
188	3.4	2.8	4.2



#52
 Chlorobenzene
 Concen: 24.459 ug/L
 RT: 11.66 min Scan# 1653
 Delta R.T. 0.00 min
 Lab File: VW004699.D
 Acq: 15 Aug 2018 15:49

Tgt Ion	Ratio	Lower	Upper
112	100		
77	58.0	46.0	69.0
114	32.4	22.3	41.5





#53

Ethylbenzene

Concen: 25.403 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW004699.D

Acq: 15 Aug 2018 15:49

Instrument :

MSVOA_W

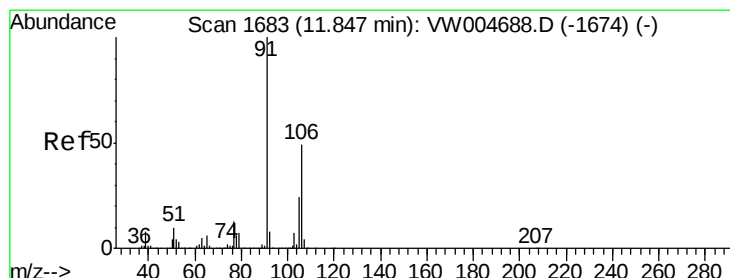
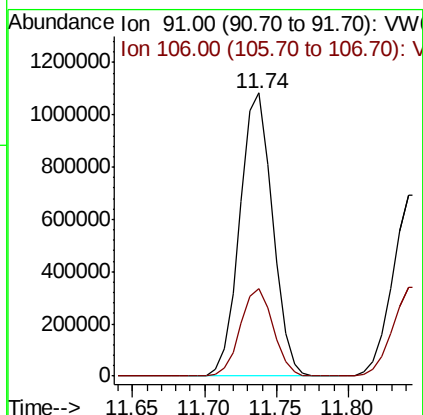
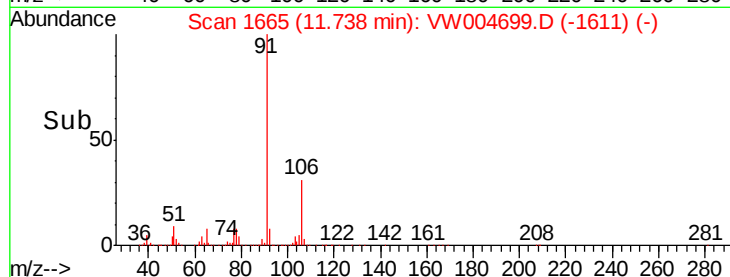
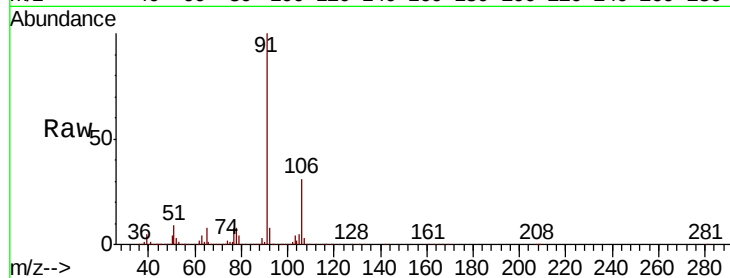
ClientSampled :

Tot Ion: 91 Resp: 1715461

Ion Ratio Lower Upper

91 100

106 31.0 22.0 40.8



#54

m,p-Xylene

Concen: 25.443 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VW004699.D

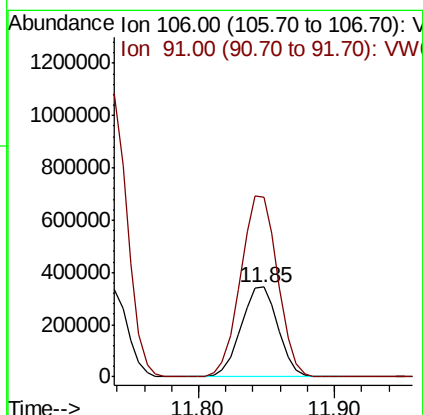
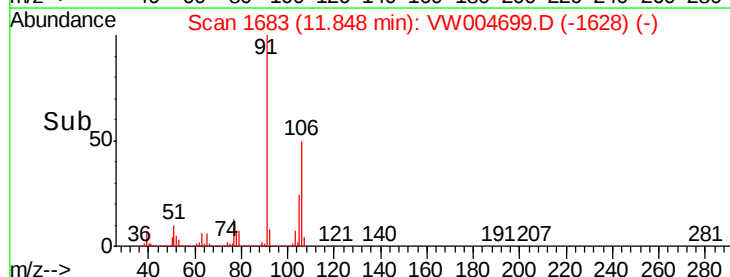
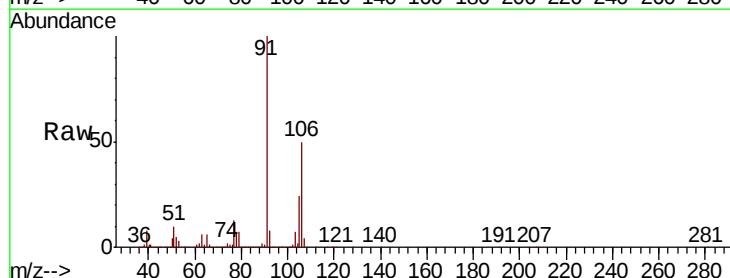
Acq: 15 Aug 2018 15:49

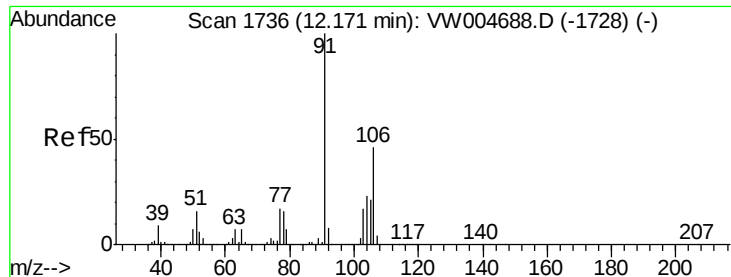
Tgt Ion: 106 Resp: 652912

Ion Ratio Lower Upper

106 100

91 200.3 139.2 258.4





#55

o-xylene

Concen: 25.705 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VW004699.D

Acq: 15 Aug 2018 15:49

Instrument :

MSVOA_W

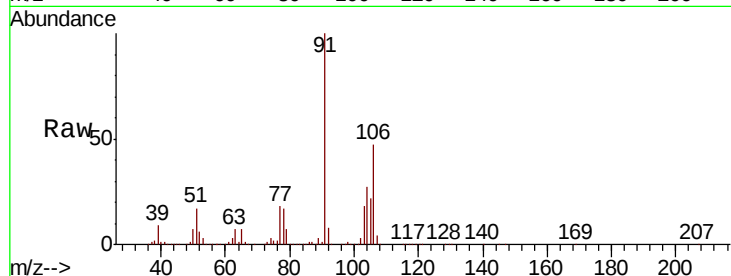
ClientSampleId :

Tot Ion:106 Resp: 623466

Ion Ratio Lower Upper

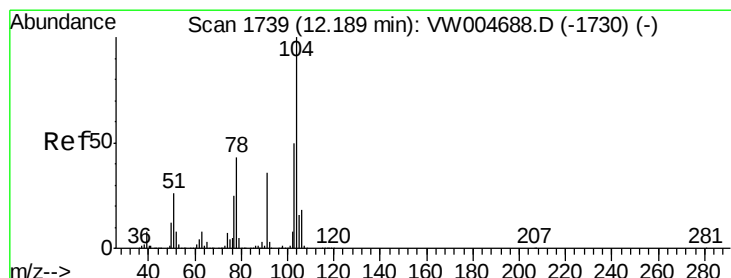
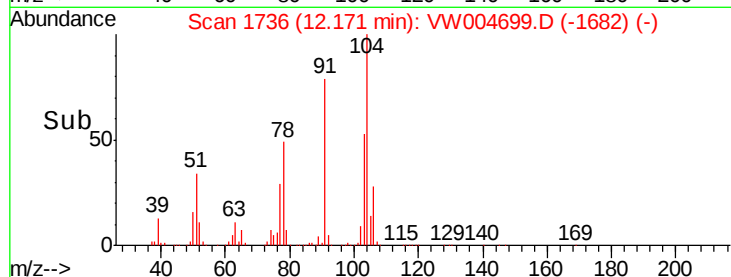
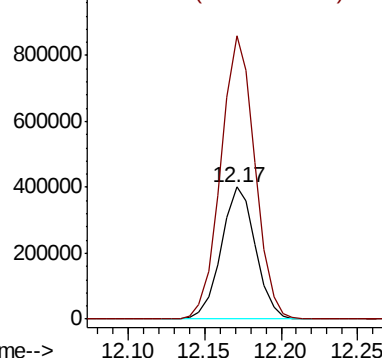
106 100

91 214.5 150.1 278.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 26.527 ug/L

RT: 12.19 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VW004699.D

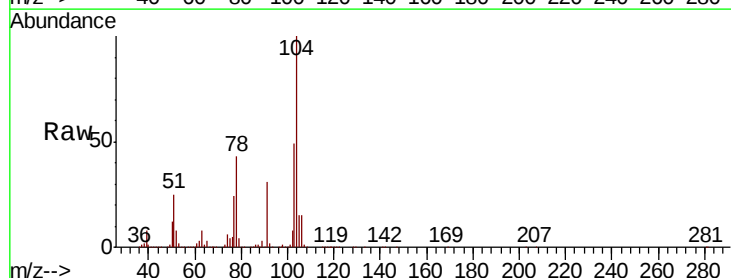
Acq: 15 Aug 2018 15:49

Tgt Ion:104 Resp: 1103598

Ion Ratio Lower Upper

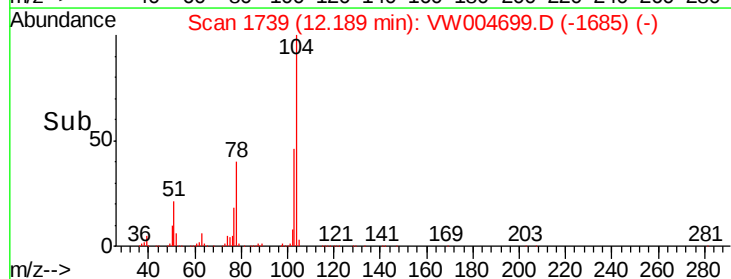
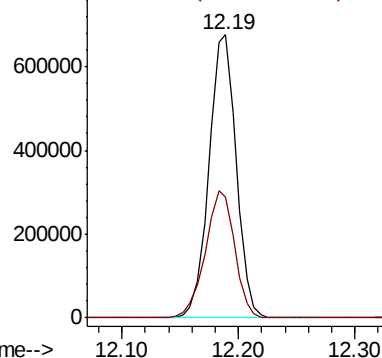
104 100

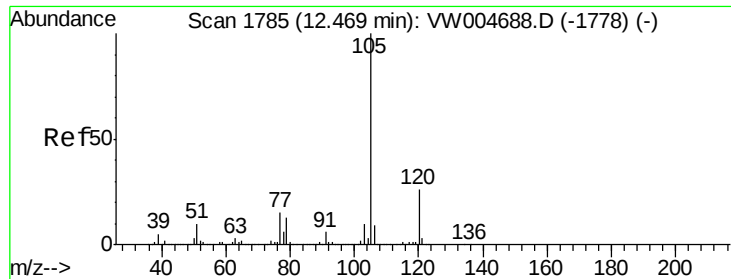
78 42.8 29.9 55.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 26.155 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004699.D

Acq: 15 Aug 2018 15:49

Instrument :

MSVOA_W

ClientSampled :

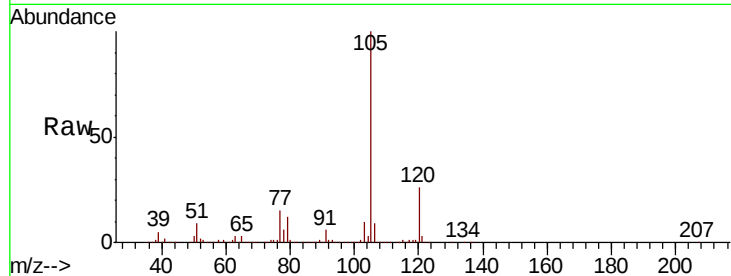
Tot Ion:105 Resp: 1718028

Ion Ratio Lower Upper

105 100

120 26.4 21.2 31.8

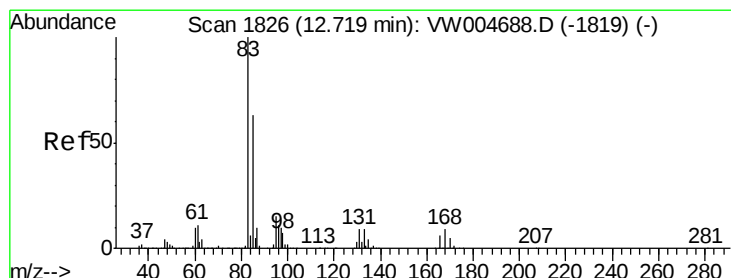
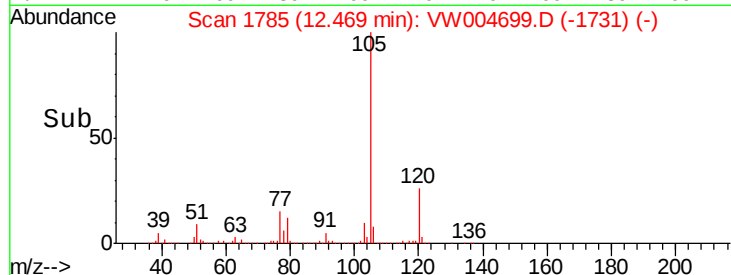
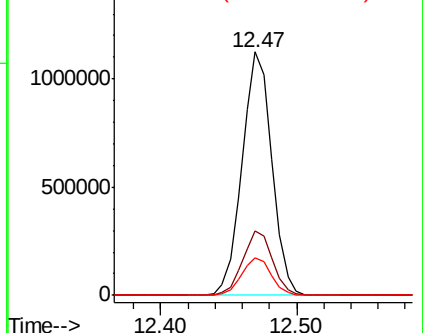
77 15.5 12.1 18.1



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: 25.912 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004699.D

Acq: 15 Aug 2018 15:49

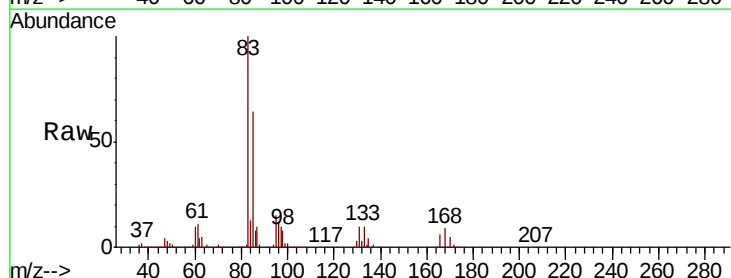
Tgt Ion: 83 Resp: 410262

Ion Ratio Lower Upper

83 100

85 63.6 44.4 82.5

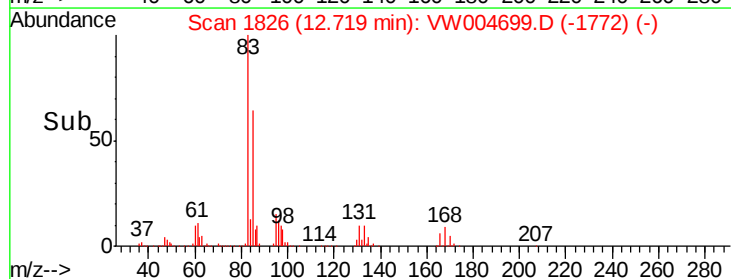
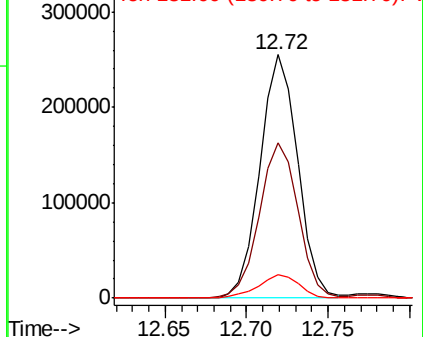
131 9.7 8.2 12.4

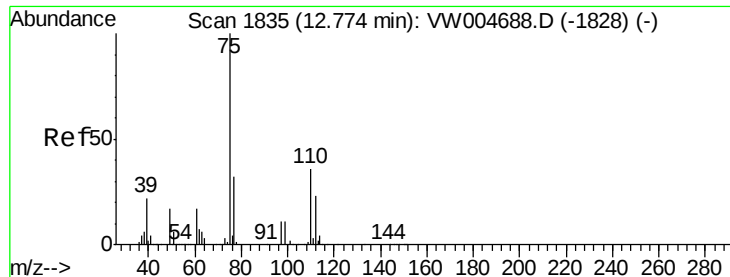


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 26.199 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW004699.D

Acq: 15 Aug 2018 15:49

Instrument :

MSVOA_W

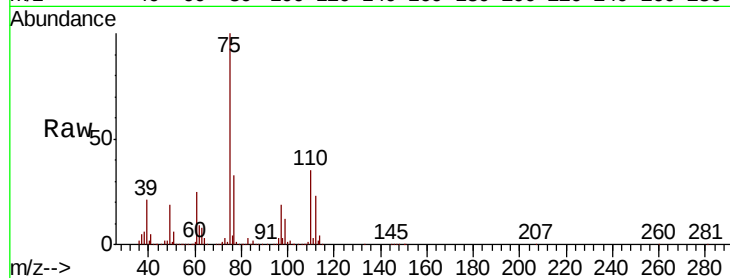
ClientSampleId :

Tot Ion: 75 Resp: 305395

Ion Ratio Lower Upper

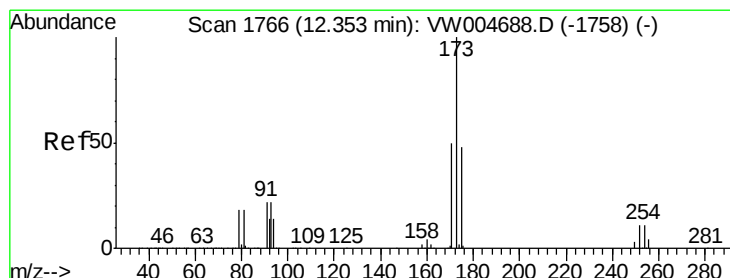
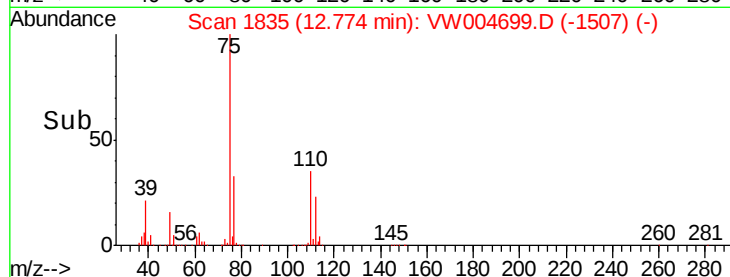
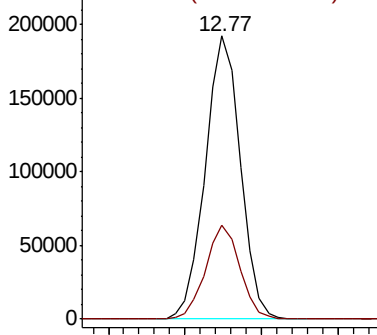
75 100

77 32.5 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#62

Bromoform

Concen: 25.100 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW004699.D

Acq: 15 Aug 2018 15:49

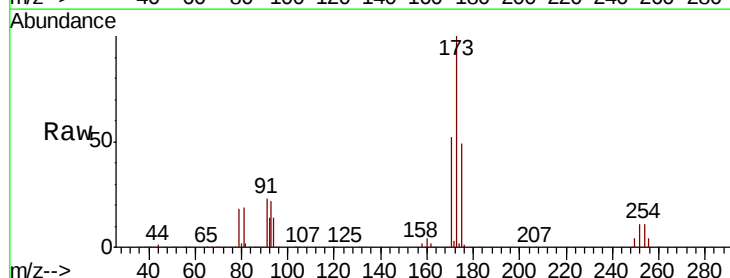
Tgt Ion:173 Resp: 210447

Ion Ratio Lower Upper

173 100

175 48.7 39.2 58.8

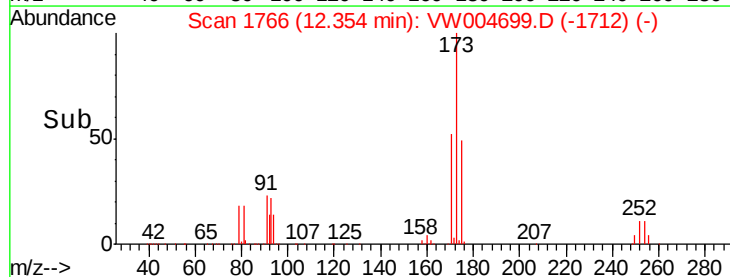
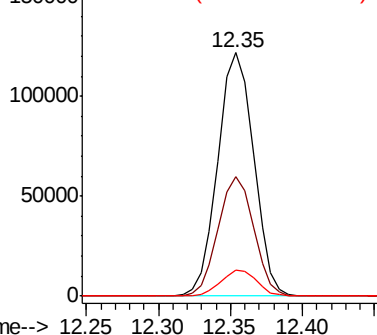
254 10.8 8.8 13.2

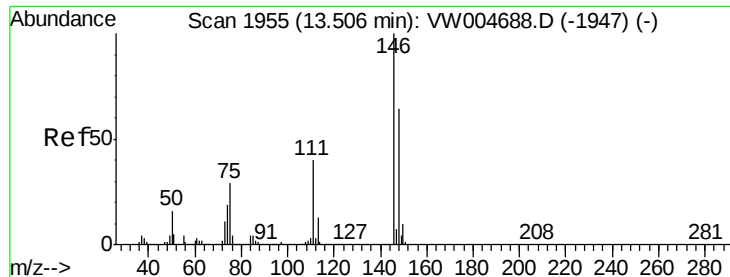


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V





#63

1,3-Dichlorobenzene

Concen: 24.512 ug/L

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW004699.D

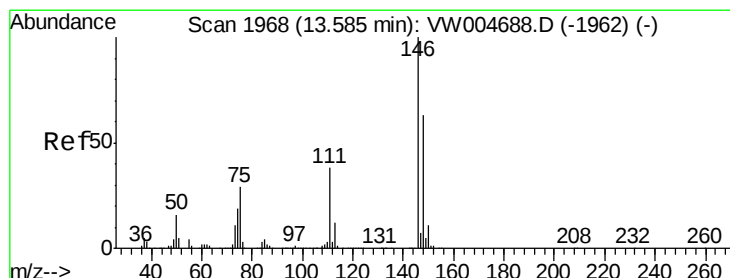
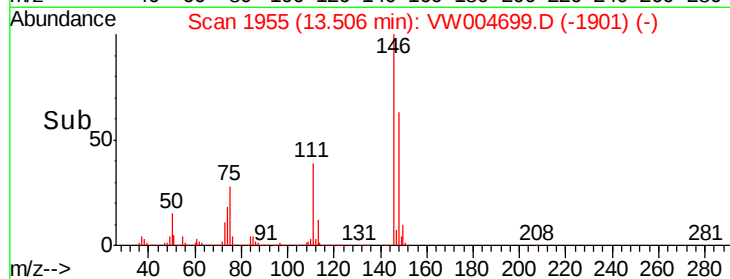
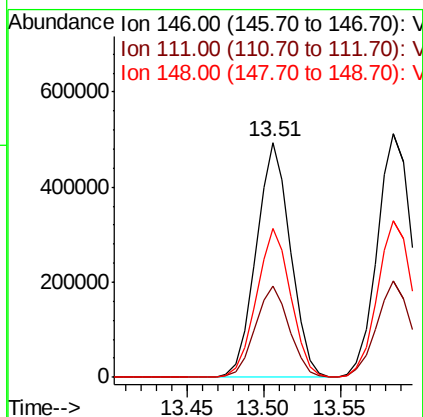
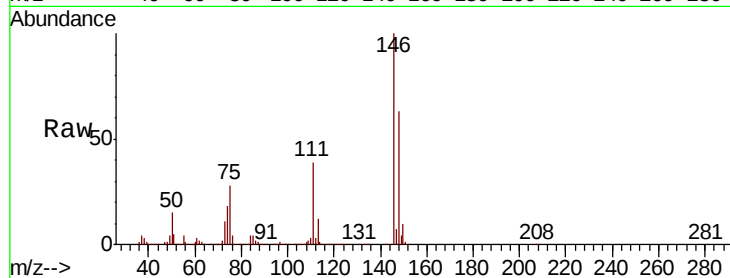
Acq: 15 Aug 2018 15:49

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:146	Resp:	766908
Ion Ratio	Lower	Upper
146	100	
111	38.9	27.5 51.1
148	63.3	45.1 83.9



#64

1,4-Dichlorobenzene

Concen: 24.147 ug/L

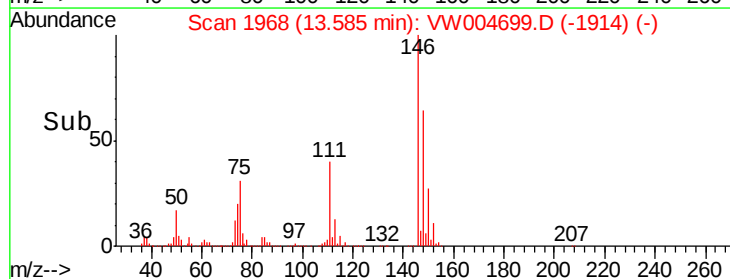
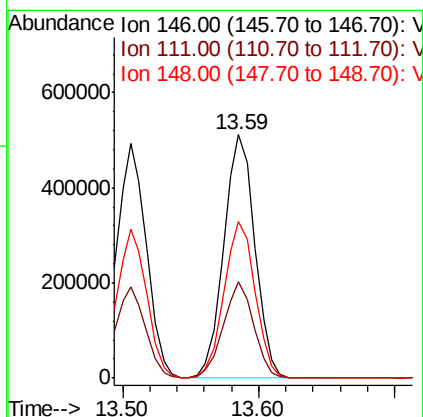
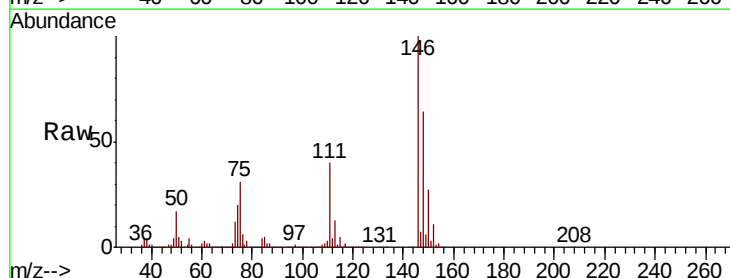
RT: 13.59 min Scan# 1968

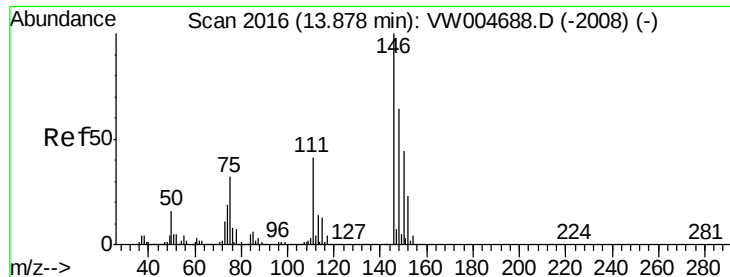
Delta R.T. 0.00 min

Lab File: VW004699.D

Acq: 15 Aug 2018 15:49

Tgt Ion:146	Resp:	806993
Ion Ratio	Lower	Upper
146	100	
111	39.5	26.7 49.5
148	64.3	44.8 83.2

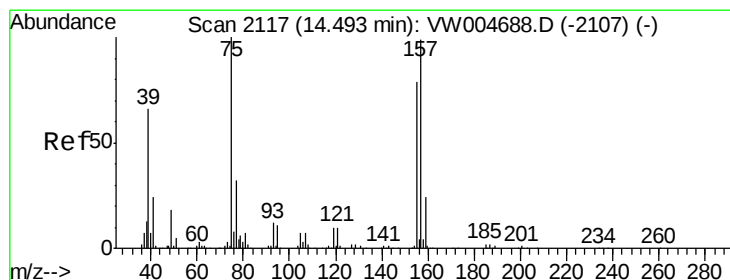
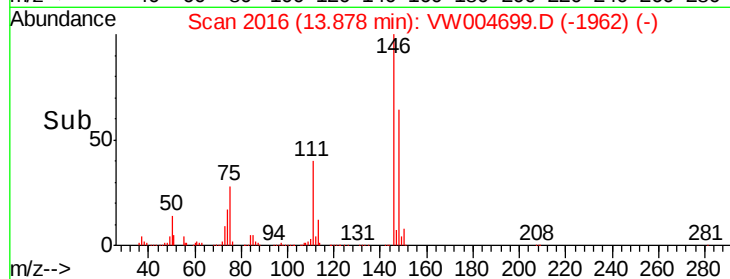
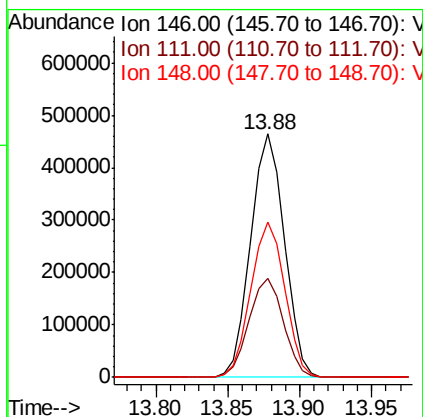
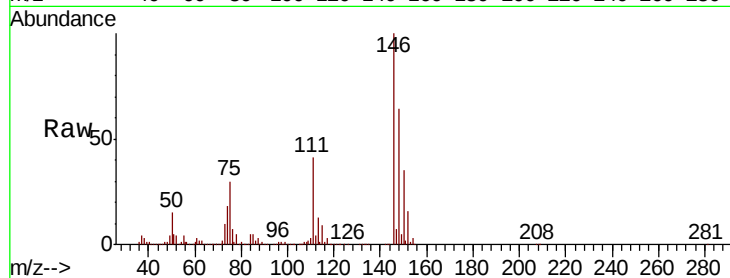




#65
 1,2-Dichlorobenzene
 Concen: 24.388 ug/L
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW004699.D
 Acq: 15 Aug 2018 15:49

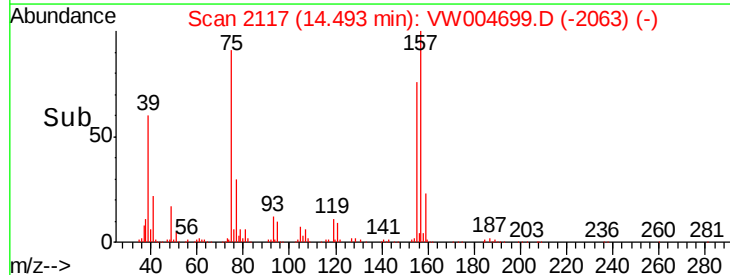
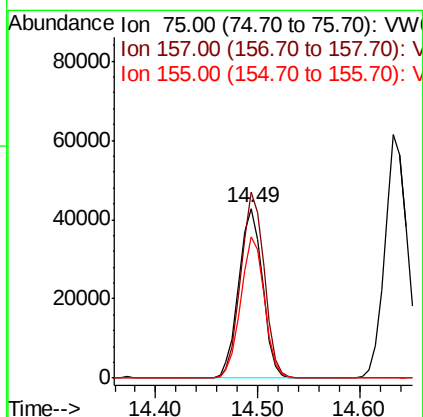
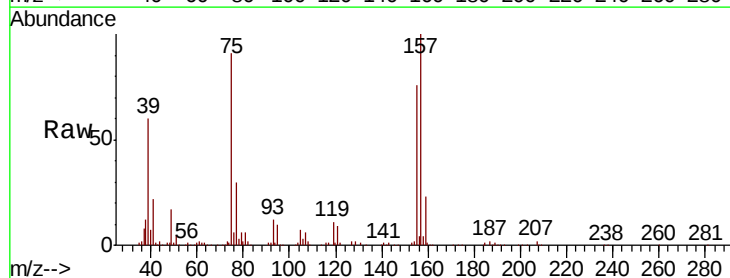
Instrument :
 MSVOA_W
 ClientSampleId :

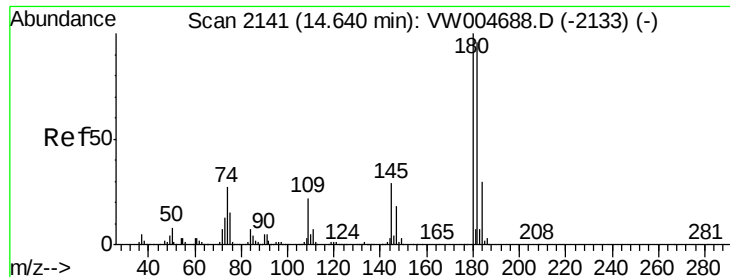
Tot Ion:146 Resp: 752584
 Ion Ratio Lower Upper
 146 100
 111 40.7 32.9 49.3
 148 63.5 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 26.525 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW004699.D
 Acq: 15 Aug 2018 15:49

Tgt Ion: 75 Resp: 68977
 Ion Ratio Lower Upper
 75 100
 157 109.3 81.8 122.8
 155 83.6 65.4 98.0

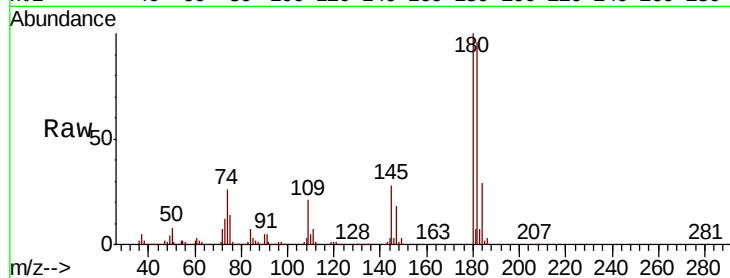




#67
 1,3,5-Trichlorobenzene
 Concen: 24.624 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VW004699.D
 Acq: 15 Aug 2018 15:49

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.1	114.1
184	30.0	24.2	36.4
145	28.9	22.6	34.0



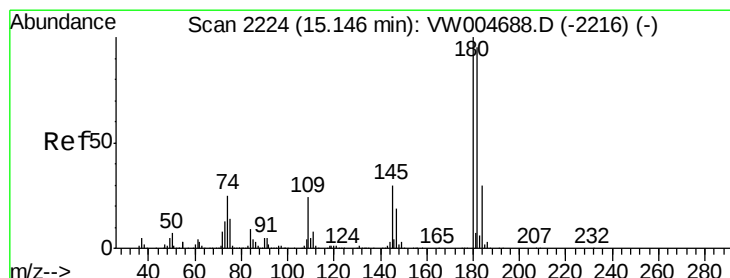
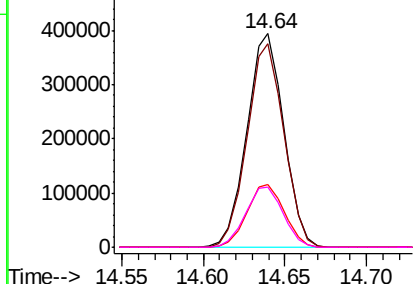
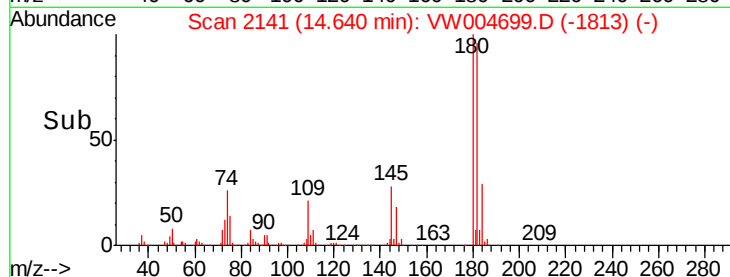
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

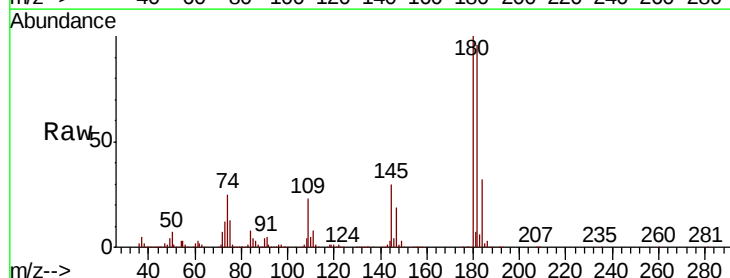
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 24.605 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW004699.D
 Acq: 15 Aug 2018 15:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.7	115.1
145	30.0	23.4	35.2

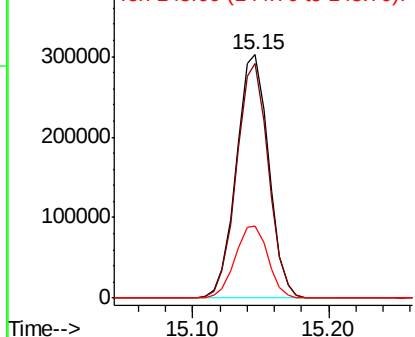
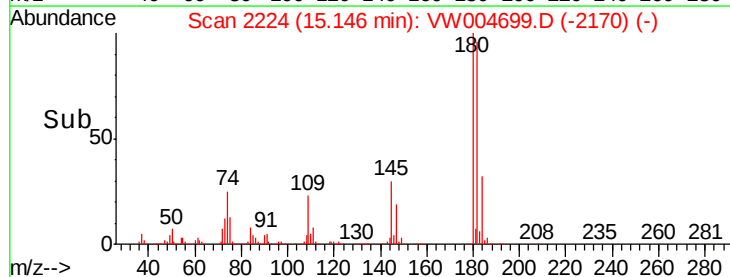


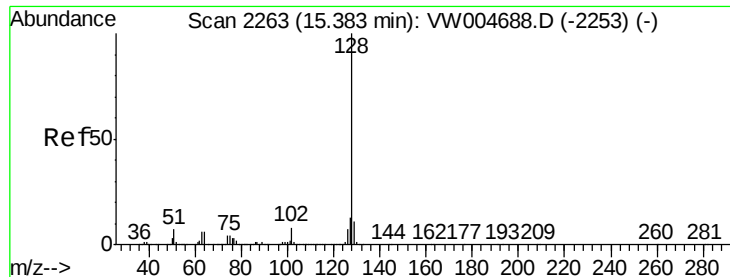
Abundance

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: 26.669 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004699.D

Acq: 15 Aug 2018 15:49

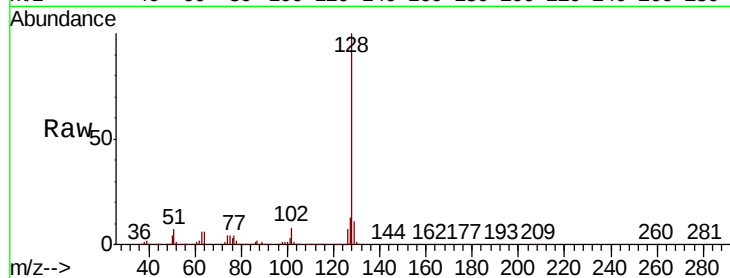
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:128 Resp: 1119206

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

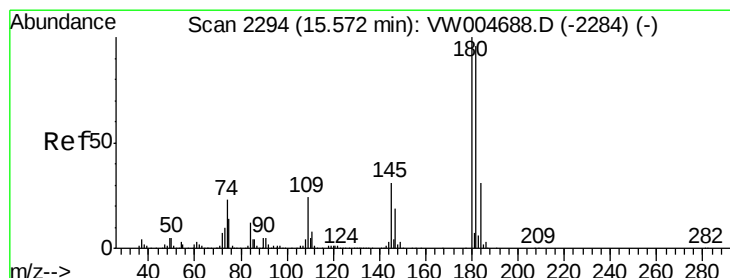
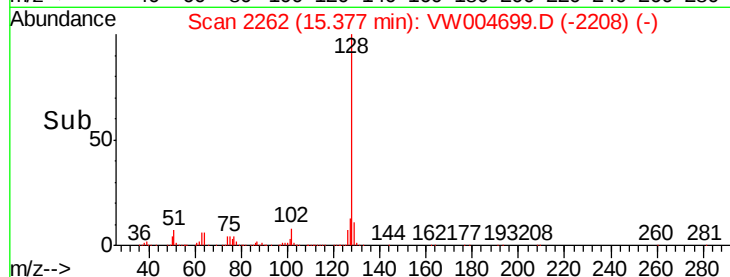
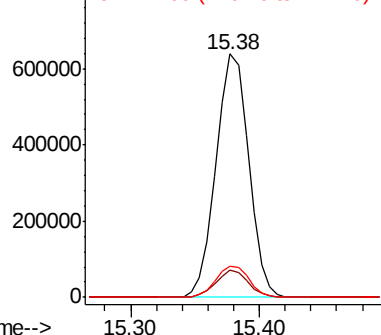


Abundance

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



#70

1,2,3-Trichlorobenzene

Concen: 25.453 ug/L

RT: 15.57 min Scan# 2293

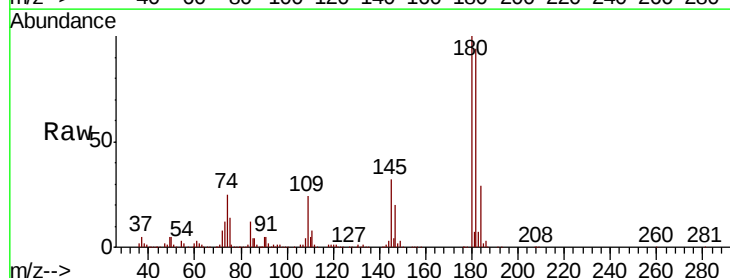
Delta R.T. 0.00 min

Lab File: VW004699.D

Acq: 15 Aug 2018 15:49

Tgt Ion:180 Resp: 495358

Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.8	113.8
145	31.3	24.4	36.6



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

