

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072018\
 Data File : VW004067.D
 Acq On : 20 Jul 2018 10:27
 Operator : SY/AP
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 21 04:49:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 20 07:22:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	336586	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.64	117	315080	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	159446	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	66351	19.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.72%
7) Chloroethane-d5	2.89	69	51816	21.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.36%
10) 1,1-Dichloroethene-d2	4.01	63	183552	22.98	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.92%
20) 2-Butanone-d5	7.09	46	90141	46.17	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.34%
24) Chloroform-d	7.65	84	195139	24.43	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.72%
26) 1,2-Dichloroethane-d4	8.31	65	113966	23.69	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.76%
29) Benzene-d6	8.27	84	344318	23.56	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.24%
33) 1,2-Dichloropropane-d6	9.28	67	116933	23.99	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.96%
37) Toluene-d8	10.33	98	310192	23.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.48%
38) trans-1,3-Dichloropropene-	10.58	79	51682	24.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.52%
39) 2-Hexanone-d5	10.93	63	65668	50.05	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.10%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	133053	24.91	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.64%
61) 1,2-Dichlorobenzene-d4	13.87	152	122770	23.95	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	31112	14.437 ug/L	# 88
3) Chloromethane	2.22	50	77690	22.550 ug/L	100
5) Vinyl chloride	2.36	62	113717	21.920 ug/L	100
6) Bromomethane	2.78	94	63032	22.887 ug/L	99
8) Chloroethane	2.93	64	63641	23.401 ug/L	97
9) Trichlorofluoromethane	3.26	101	68456	26.485 ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	118325	25.744 ug/L	99
12) 1,1-Dichloroethene	4.03	96	114657	25.591 ug/L	91
13) Acetone	4.12	43	94742	44.636 ug/L	100
14) Carbon disulfide	4.37	76	366720	25.300 ug/L	99
15) Methyl Acetate	4.67	43	84788	23.416 ug/L	98
16) Methylene chloride	4.91	84	129059	19.987 ug/L	99
17) Methyl tert-butyl Ether	5.43	73	228374	26.356 ug/L	# 89
18) trans-1,2-Dichloroethene	5.42	96	121104	26.254 ug/L	99
19) 1,1-Dichloroethane	6.21	63	231140	26.339 ug/L	100
21) 2-Butanone	7.17	43	119356	45.321 ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	130393	26.447 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

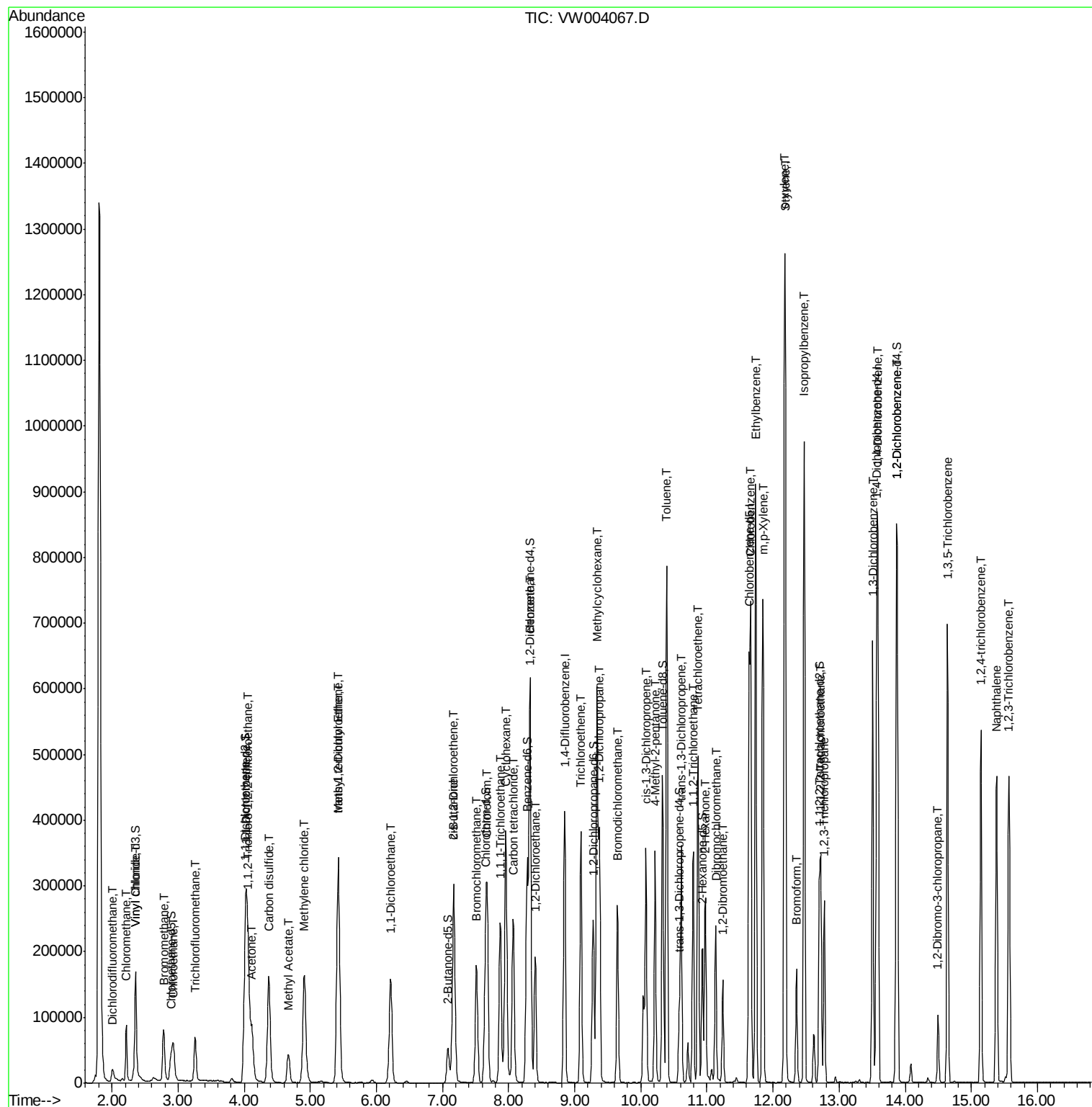
23) Bromochloromethane	7.51	128	60997	26.312	ug/L	98
25) Chloroform	7.68	83	238356	26.598	ug/L	100
27) 1,2-Dichloroethane	8.40	62	173588	26.282	ug/L #	95
30) Cyclohexane	7.96	56	206164	26.828	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	192695	26.891	ug/L	99
32) Carbon tetrachloride	8.07	117	184347	26.664	ug/L	100
34) Benzene	8.32	78	524566	27.160	ug/L	100
35) Trichloroethene	9.09	95	134670	26.061	ug/L	99
36) Methylcyclohexane	9.34	83	236267	27.663	ug/L	99
40) 1,2-Dichloropropane	9.37	63	140583	26.851	ug/L	99
41) Bromodichloromethane	9.65	83	172594	26.774	ug/L	99
42) cis-1,3-Dichloropropene	10.08	75	203551	27.591	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	235513	51.167	ug/L	100
44) Toluene	10.39	91	566887	28.011	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	187880	27.610	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	106692	26.220	ug/L	98
47) Tetrachloroethene	10.87	164	109350	26.238	ug/L	93
49) 2-Hexanone	10.98	43	178225	50.015	ug/L	98
50) Dibromochloromethane	11.13	129	124433	27.297	ug/L	95
51) 1,2-Dibromoethane	11.24	107	102291	25.738	ug/L	100
52) Chlorobenzene	11.66	112	352982	27.202	ug/L	99
53) Ethylbenzene	11.74	91	620775	28.336	ug/L	98
54) m,p-Xylene	11.85	106	232296	28.770	ug/L	100
55) o-xylene	12.17	106	217238	28.129	ug/L	93
56) Styrene	12.19	104	384078	28.788	ug/L	99
57) Isopropylbenzene	12.47	105	613275	28.963	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	145427	25.003	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	113548	25.220	ug/L	100
62) Bromoform	12.35	173	78451	26.071	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	265790	27.065	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	284485	27.017	ug/L	100
65) 1,2-Dichlorobenzene	13.88	146	258962	27.059	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	26344	23.611	ug/L	93
67) 1,3,5-Trichlorobenzene	14.64	180	208675	26.872	ug/L	98
68) 1,2,4-trichlorobenzene	15.15	180	168712	27.091	ug/L	99
69) Naphthalene	15.38	128	384812	27.445	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	163832	27.650	ug/L	100

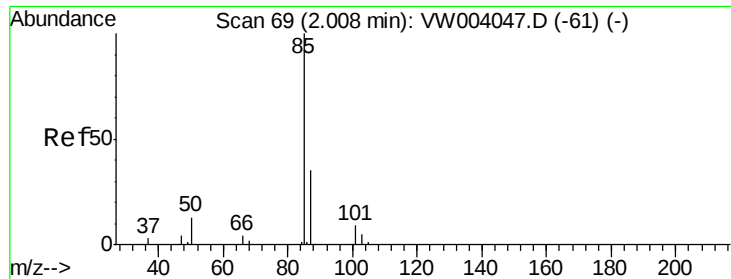
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 14.437 ug/L

RT: 2.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VW004067.D

Acq: 20 Jul 2018 10:27

Instrument :

MSVOA_W

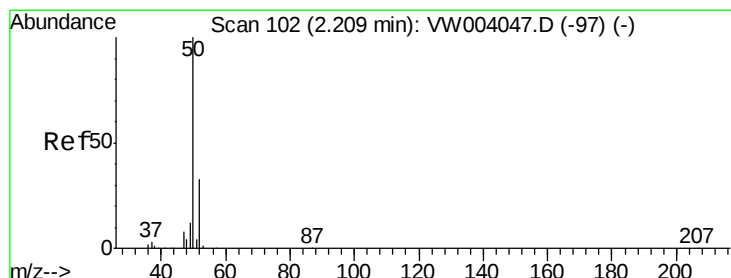
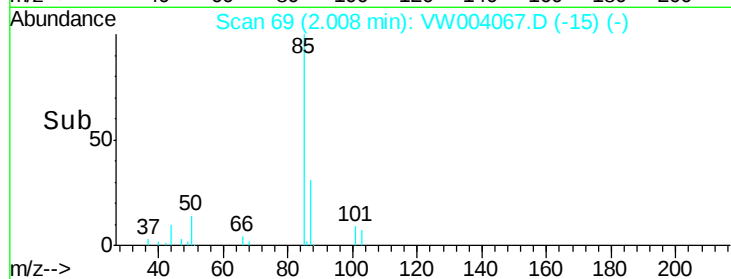
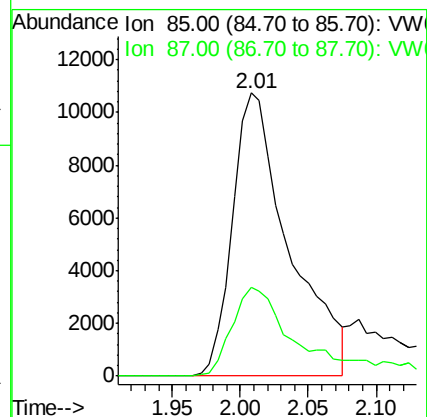
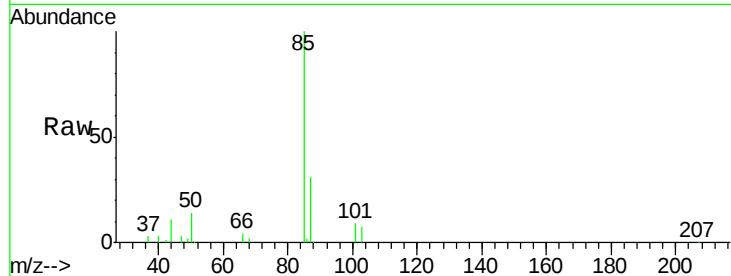
ClientSampled :

Tot Ion: 85 Resp: 31112

Ion Ratio Lower Upper

85 100

87 28.3 0.1 0.1#



#3

Chloromethane

Concen: 22.550 ug/L

RT: 2.22 min Scan# 103

Delta R.T. 0.01 min

Lab File: VW004067.D

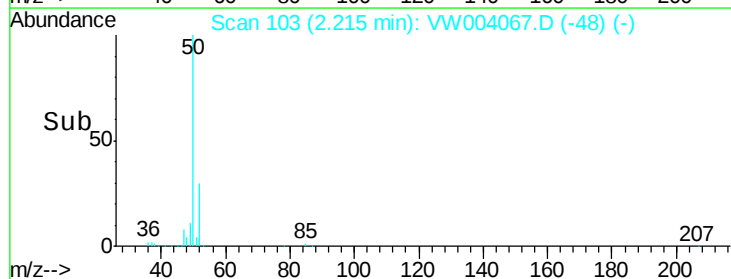
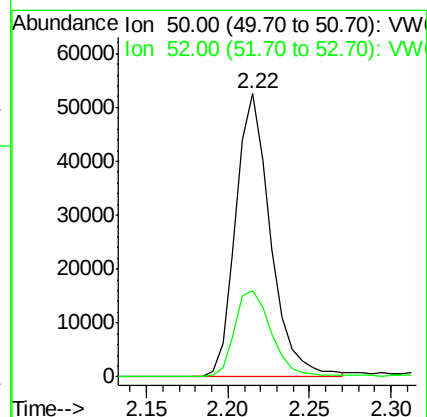
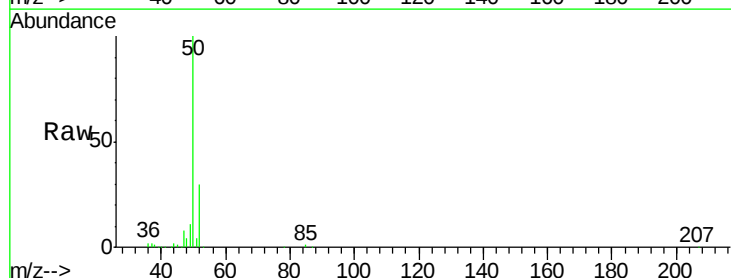
Acq: 20 Jul 2018 10:27

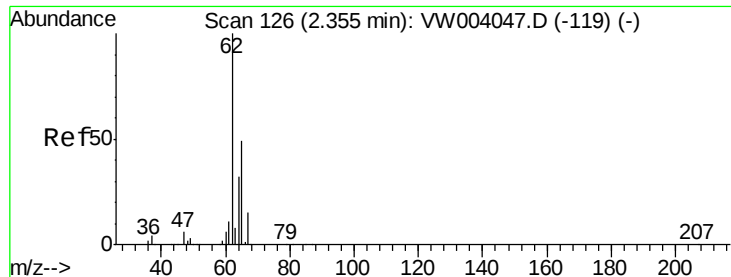
Tgt Ion: 50 Resp: 77690

Ion Ratio Lower Upper

50 100

52 30.4 21.3 39.6





#5

Vinyl chloride

Concen: 21.920 ug/L

RT: 2.36 min Scan# 127

Delta R.T. 0.01 min

Lab File: VW004067.D

Acq: 20 Jul 2018 10:27

Instrument :

MSVOA_W

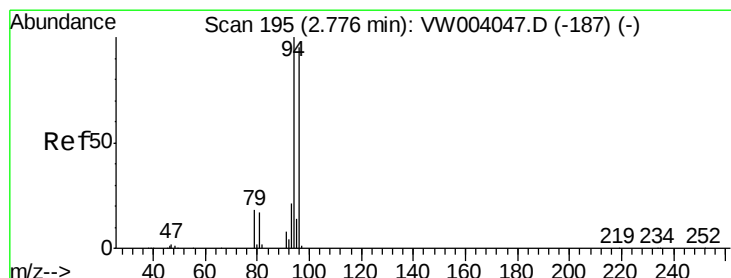
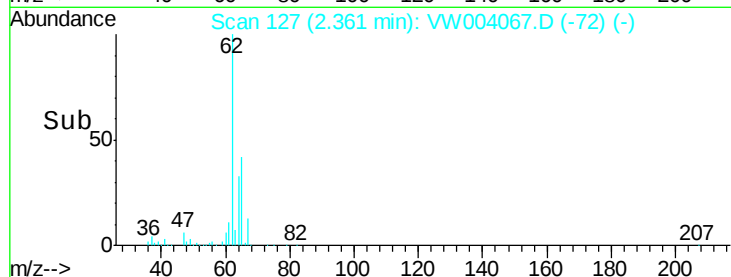
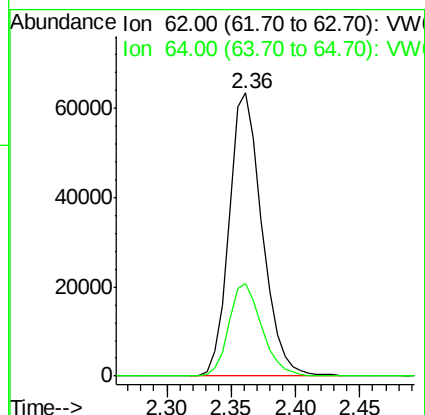
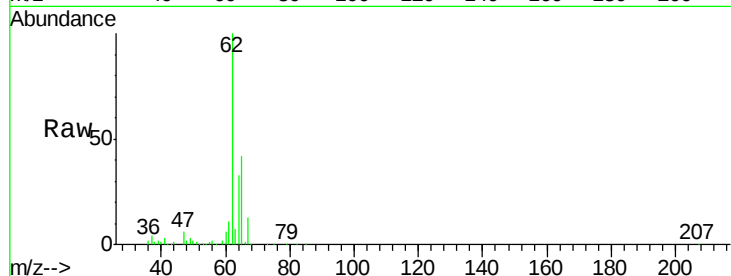
ClientSampled :

Tot Ion: 62 Resp: 113717

Ion Ratio Lower Upper

62 100

64 32.8 23.1 42.9



#6

Bromomethane

Concen: 22.887 ug/L

RT: 2.78 min Scan# 196

Delta R.T. 0.01 min

Lab File: VW004067.D

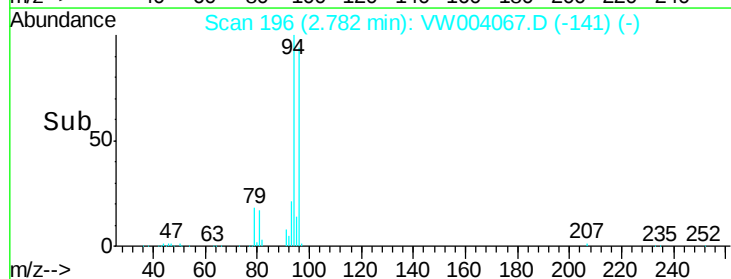
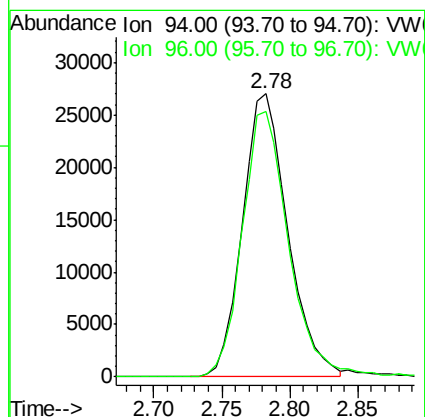
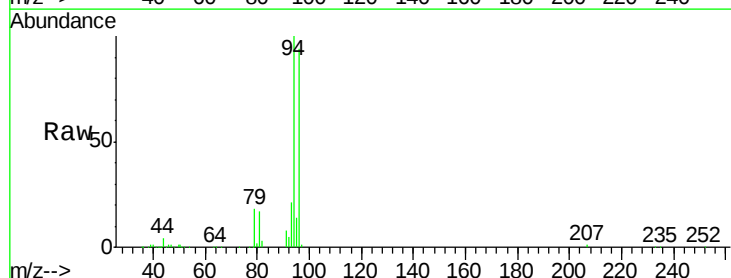
Acq: 20 Jul 2018 10:27

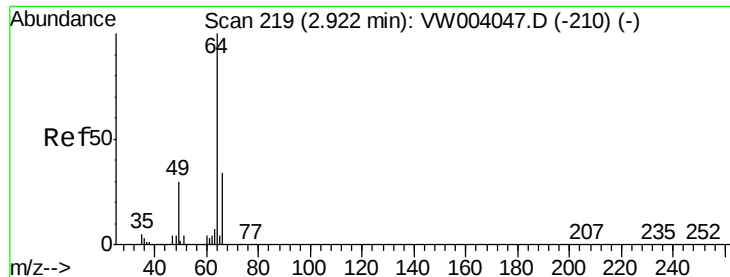
Tgt Ion: 94 Resp: 63032

Ion Ratio Lower Upper

94 100

96 96.1 9.5 179.9





#8

Chloroethane

Concen: 23.401 ug/L

RT: 2.93 min Scan# 220

Delta R.T. 0.01 min

Lab File: VW004067.D

Acq: 20 Jul 2018 10:27

Instrument :

MSVOA_W

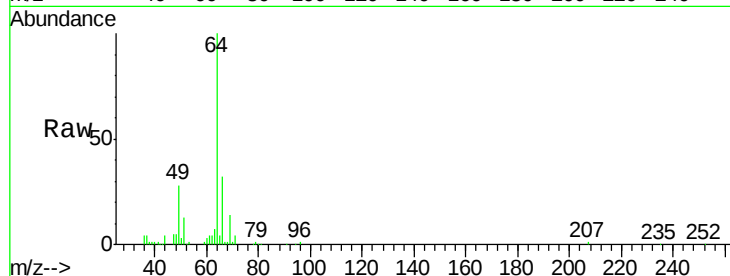
ClientSampled :

Tot Ion: 64 Resp: 63641

Ion Ratio Lower Upper

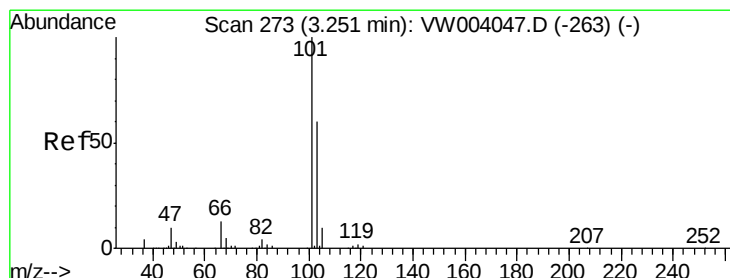
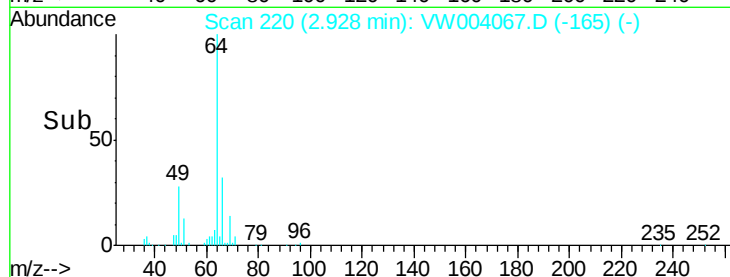
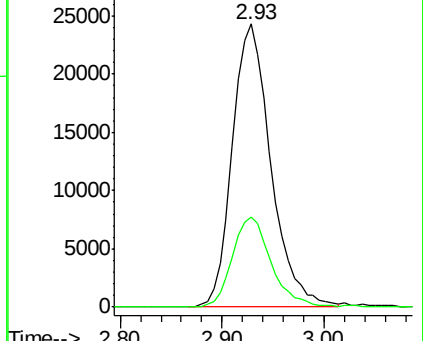
64 100

66 32.0 21.2 39.4



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 26.485 ug/L

RT: 3.26 min Scan# 274

Delta R.T. 0.01 min

Lab File: VW004067.D

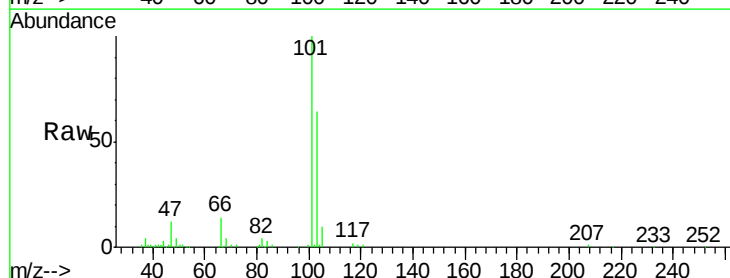
Acq: 20 Jul 2018 10:27

Tgt Ion: 101 Resp: 68456

Ion Ratio Lower Upper

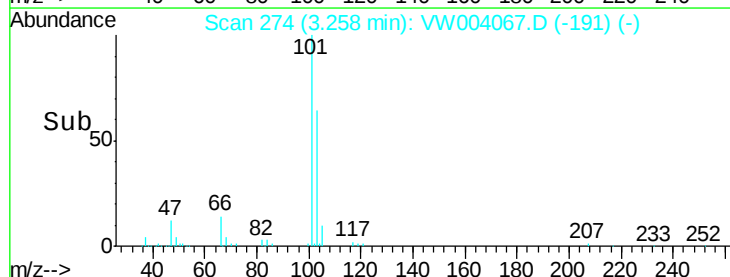
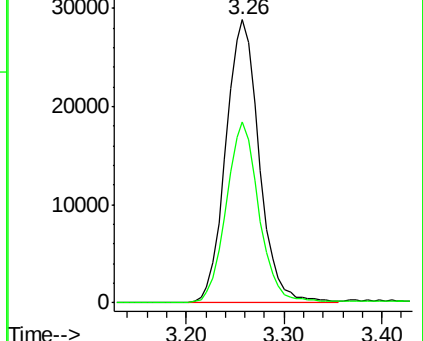
101 100

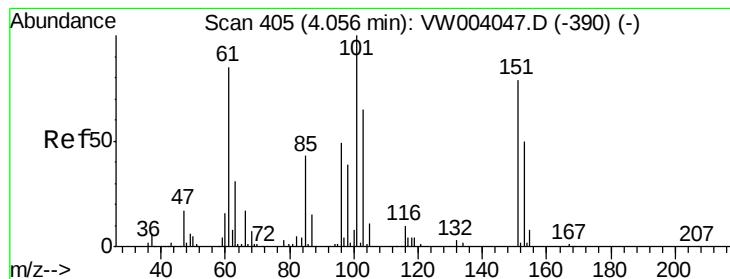
103 62.6 45.6 84.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

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

Concen: 25.744 ug/L

RT: 4.06 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW004067.D

Acq: 20 Jul 2018 10:27

Instrument :

MSVOA_W

ClientSampleId :

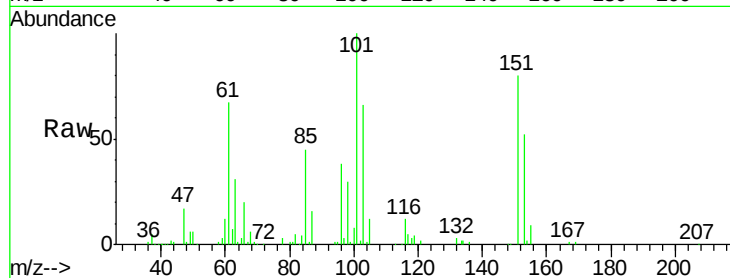
Tot Ion:101 Resp: 118325

Ion Ratio Lower Upper

101 100

85 45.0 36.2 54.4

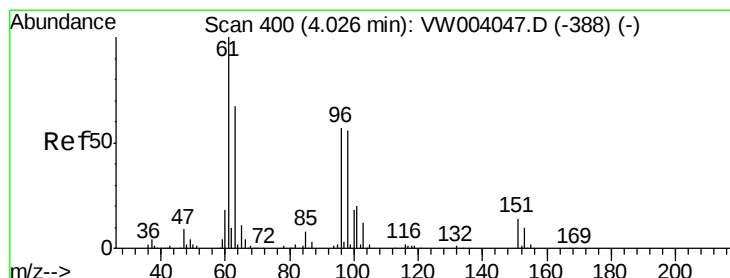
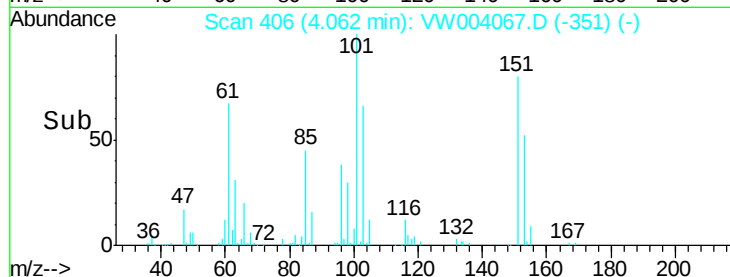
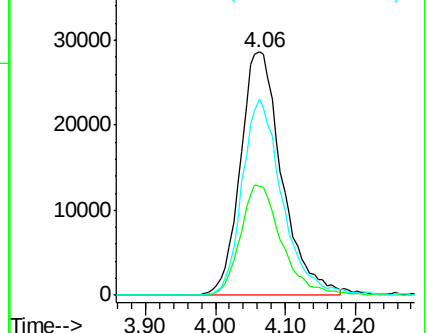
151 76.1 59.5 89.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 25.591 ug/L

RT: 4.03 min Scan# 401

Delta R.T. 0.01 min

Lab File: VW004067.D

Acq: 20 Jul 2018 10:27

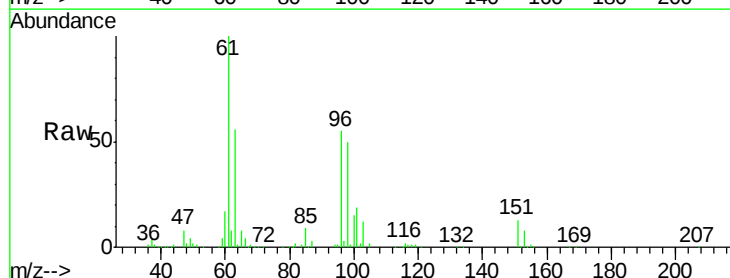
Tgt Ion: 96 Resp: 114657

Ion Ratio Lower Upper

96 100

61 181.4 127.3 236.5

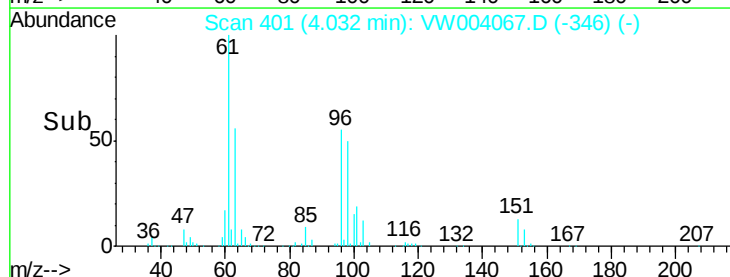
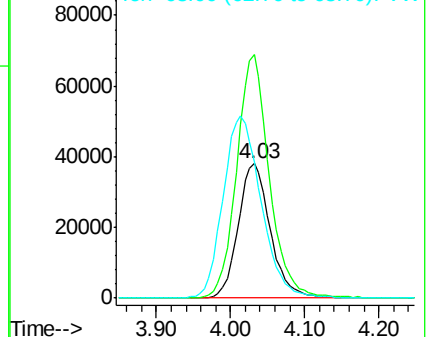
63 101.6 88.5 164.4

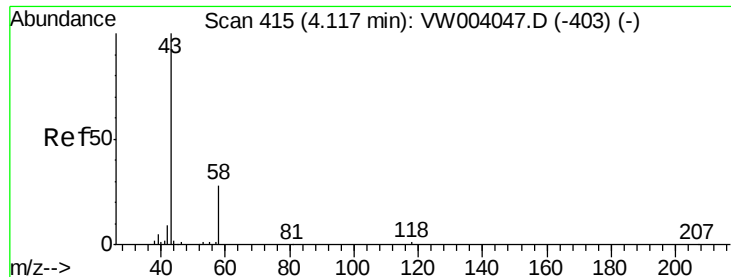


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 44.636 ug/L

RT: 4.12 min Scan# 415

Delta R.T. 0.00 min

Lab File: VW004067.D

Acq: 20 Jul 2018 10:27

Instrument :

MSVOA_W

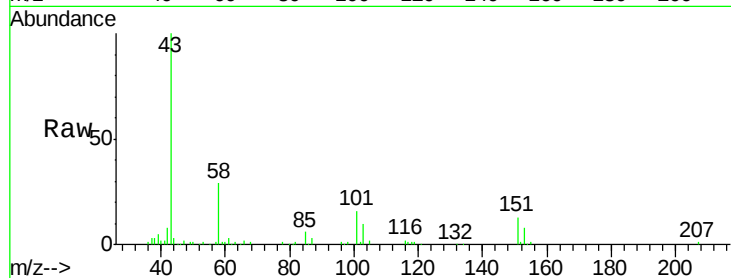
ClientSampled :

Tot Ion: 43 Resp: 94742

Ion Ratio Lower Upper

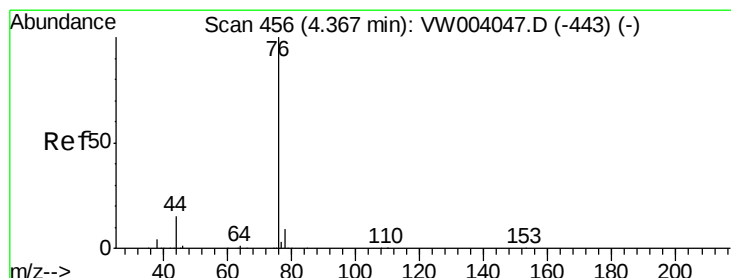
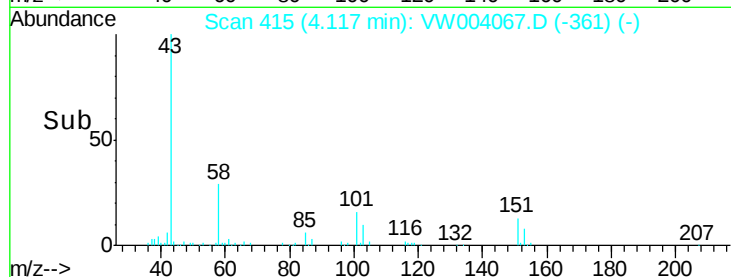
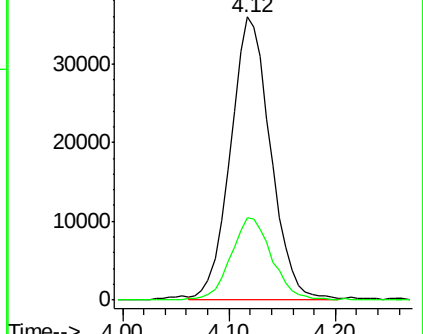
43 100

58 29.7 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 25.300 ug/L

RT: 4.37 min Scan# 457

Delta R.T. 0.01 min

Lab File: VW004067.D

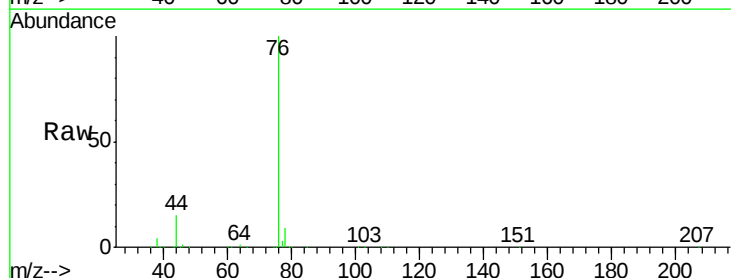
Acq: 20 Jul 2018 10:27

Tgt Ion: 76 Resp: 366720

Ion Ratio Lower Upper

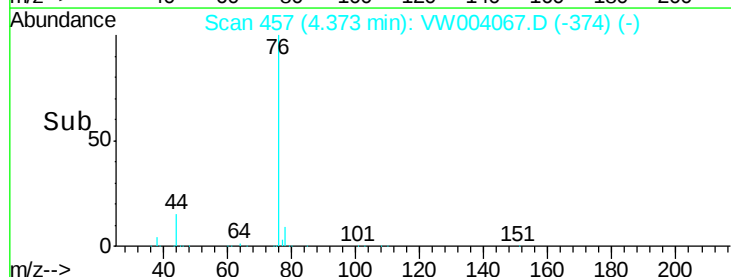
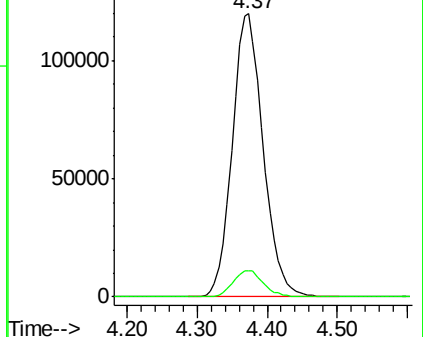
76 100

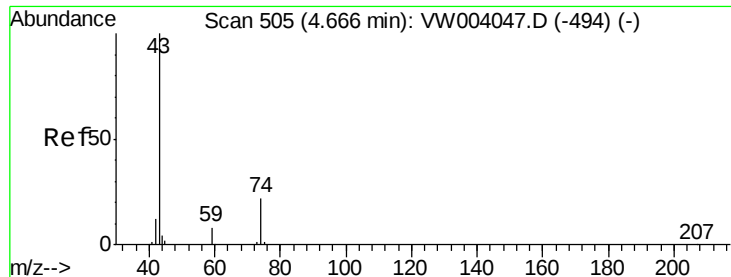
78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

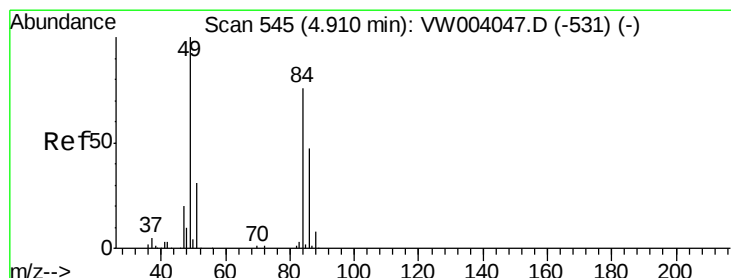
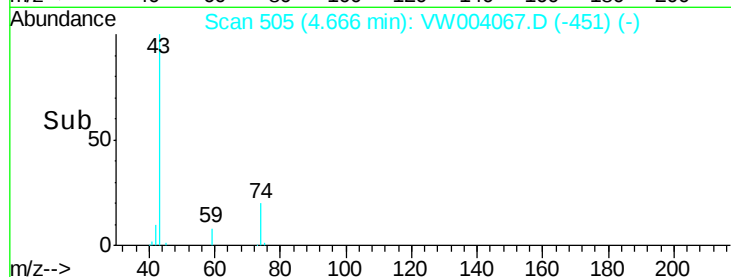
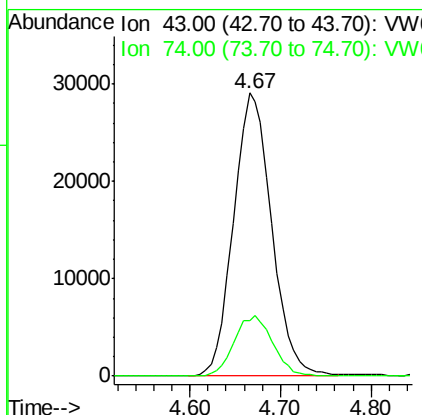
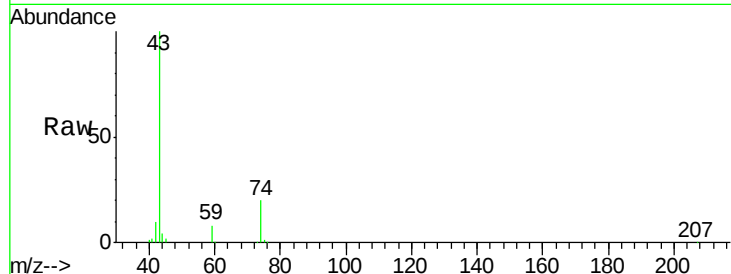




#15
Methvl Acetate
Concen: 23.416 ug/L
RT: 4.67 min Scan# 505
Delta R.T. 0.00 min
Lab File: VW004067.D
Acq: 20 Jul 2018 10:27

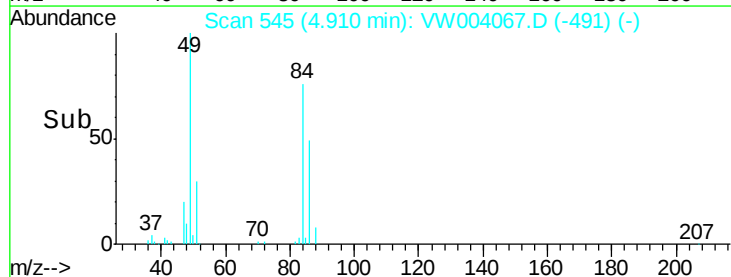
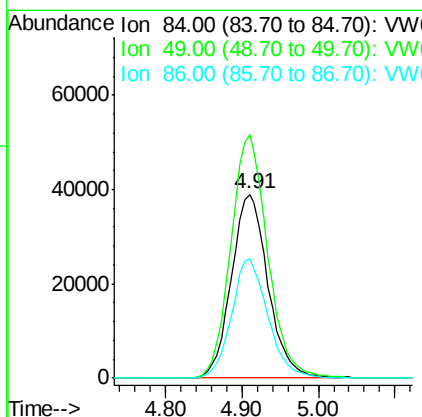
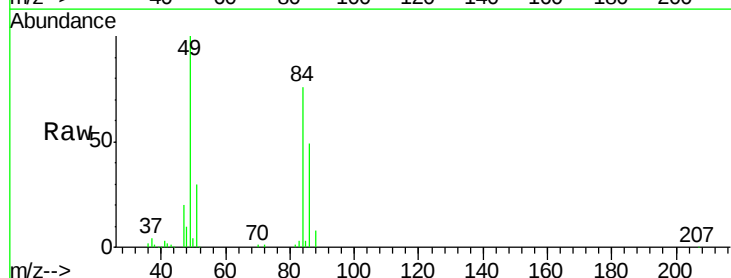
Instrument :
MSVOA_W
ClientSampleId :

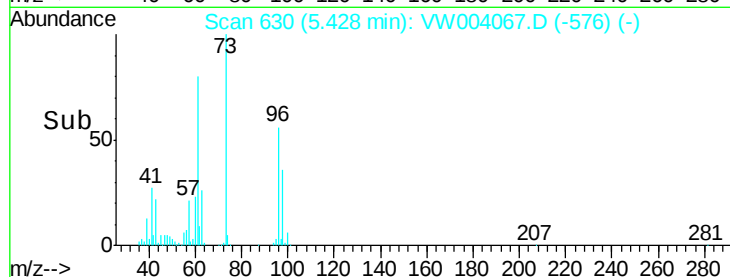
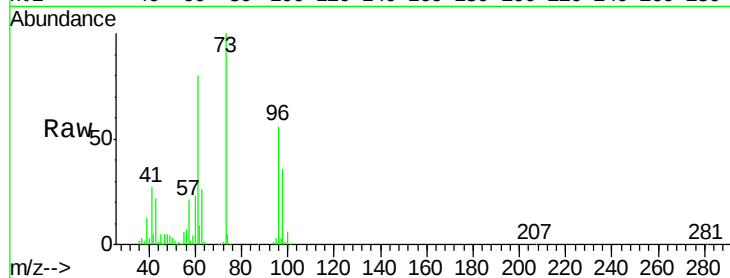
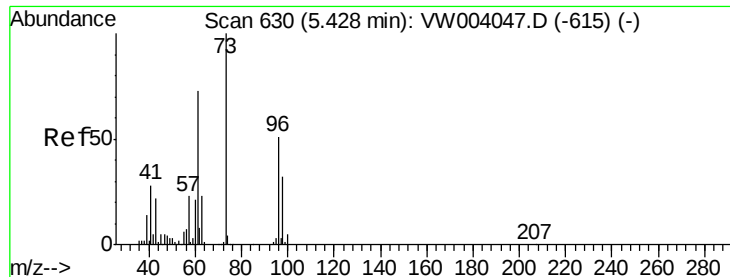
Tot Ion: 43 Resp: 84788
Ion Ratio Lower Upper
43 100
74 21.5 16.6 24.8



#16
Methylene chloride
Concen: 19.987 ug/L
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW004067.D
Acq: 20 Jul 2018 10:27

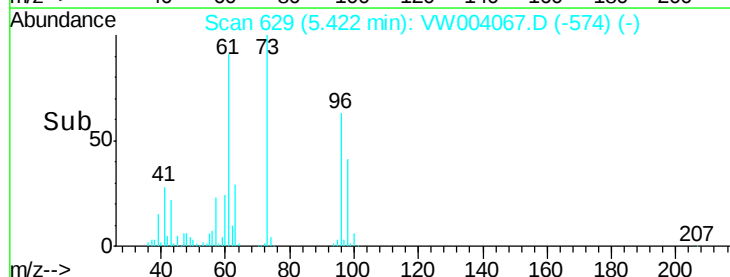
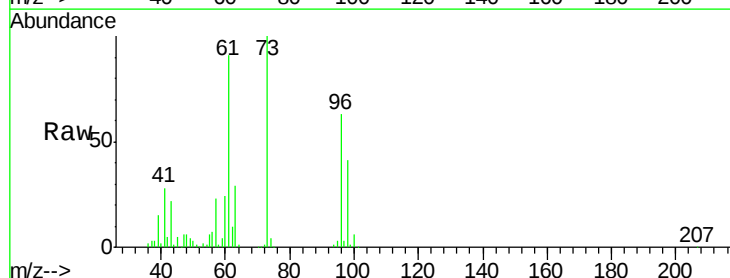
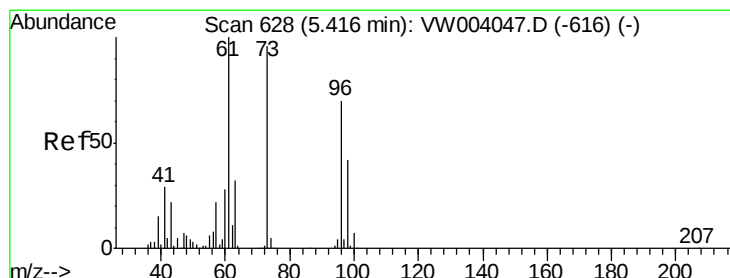
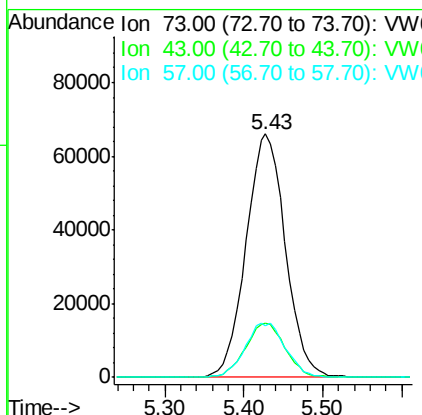
Tgt Ion: 84 Resp: 129059
Ion Ratio Lower Upper
84 100
49 132.4 94.2 175.0
86 64.6 45.1 83.9





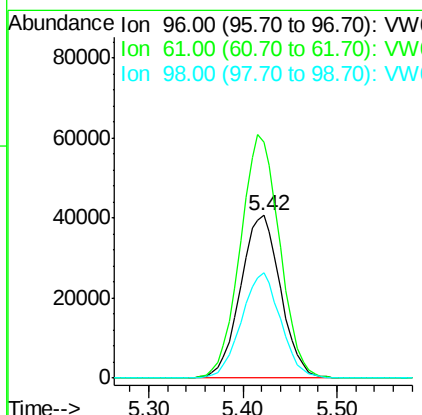
#17
Methvl tert-butvl Ether
Concen: 26.356 ug/L
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW004067.D
Acq: 20 Jul 2018 10:27

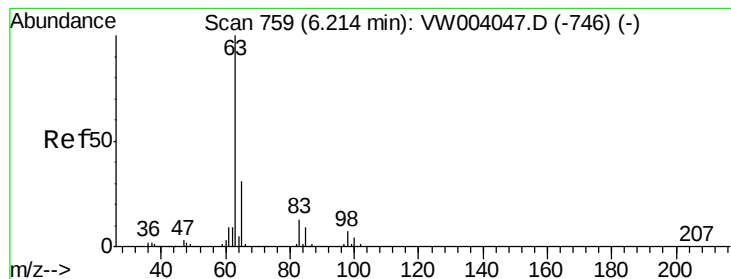
Tot Ion: 73 Resp: 228374
Ion Ratio Lower Upper
73 100
43 22.6 18.1 27.1
57 12.7 19.0 28.4#



#18
trans-1,2-Dichloroethene
Concen: 26.254 ug/L
RT: 5.42 min Scan# 629
Delta R.T. 0.01 min
Lab File: VW004067.D
Acq: 20 Jul 2018 10:27

Tgt Ion: 96 Resp: 121104
Ion Ratio Lower Upper
96 100
61 144.9 99.8 185.4
98 64.5 44.9 83.3





#19

1,1-Dichloroethane

Concen: 26.339 ug/L

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW004067.D

Acq: 20 Jul 2018 10:27

Instrument :

MSVOA_W

ClientSampled :

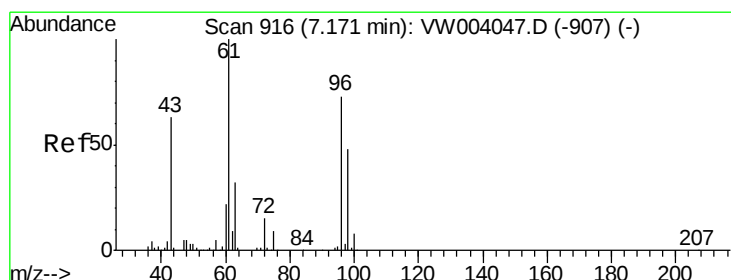
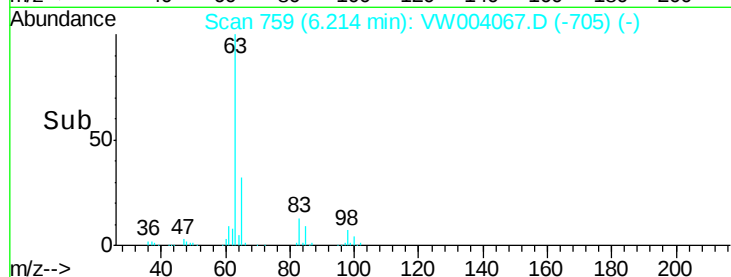
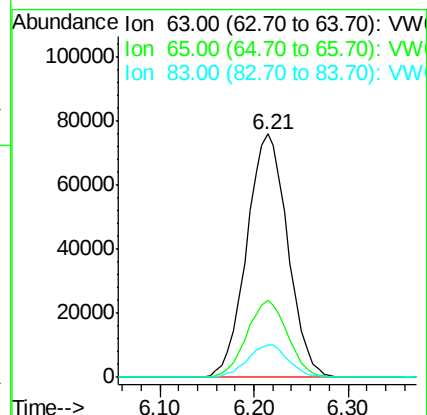
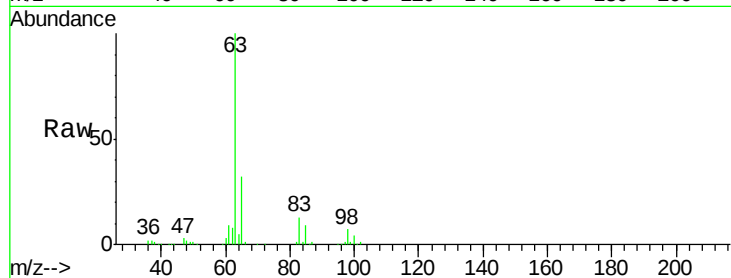
Tot Ion: 63 Resp: 231140

Ion Ratio Lower Upper

63 100

65 31.9 22.4 41.6

83 13.3 9.2 17.2



#21

2-Butanone

Concen: 45.321 ug/L

RT: 7.17 min Scan# 916

Delta R.T. 0.00 min

Lab File: VW004067.D

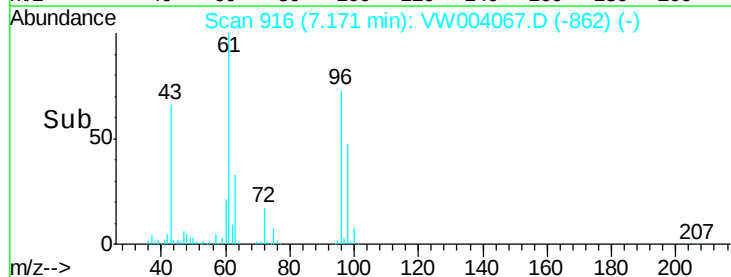
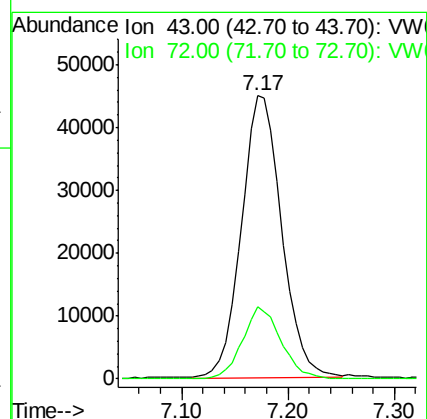
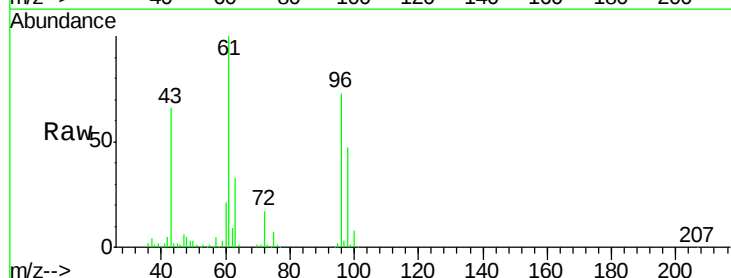
Acq: 20 Jul 2018 10:27

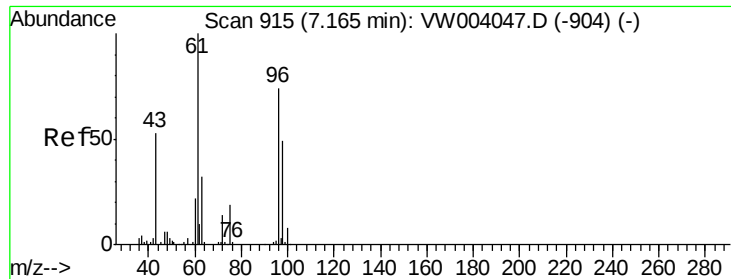
Tgt Ion: 43 Resp: 119356

Ion Ratio Lower Upper

43 100

72 24.4 12.1 36.3



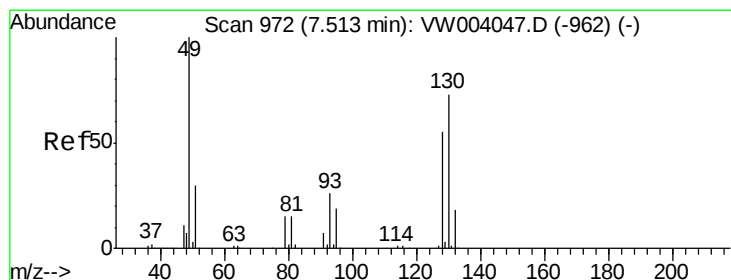
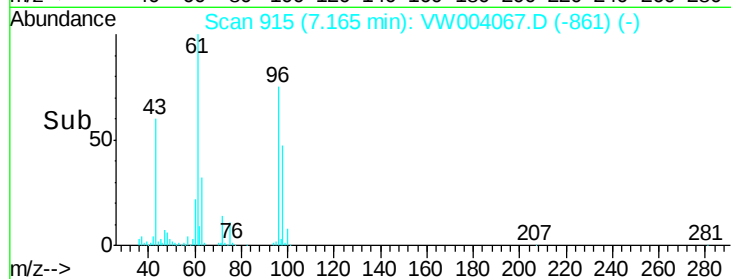
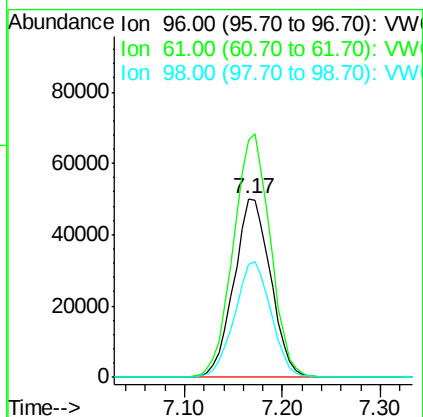
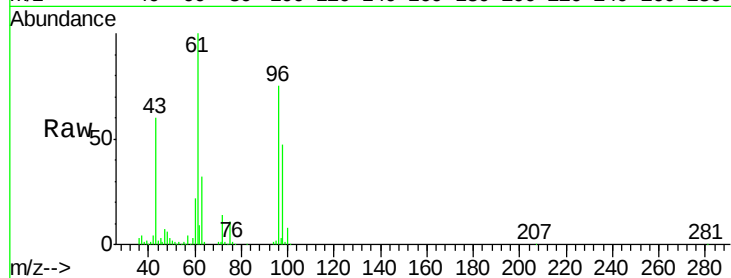


#22

cis-1,2-Dichloroethene
 Concen: 26.447 ug/L
 RT: 7.17 min Scan# 915
 Delta R.T. 0.00 min
 Lab File: VW004067.D
 Acq: 20 Jul 2018 10:27

Instrument :
 MSVOA_W
 ClientSampleId :

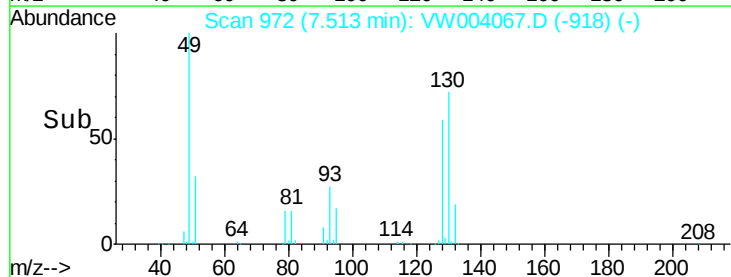
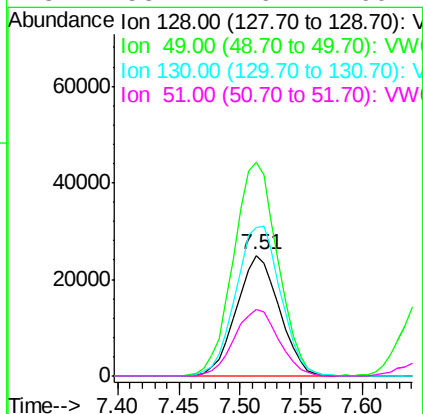
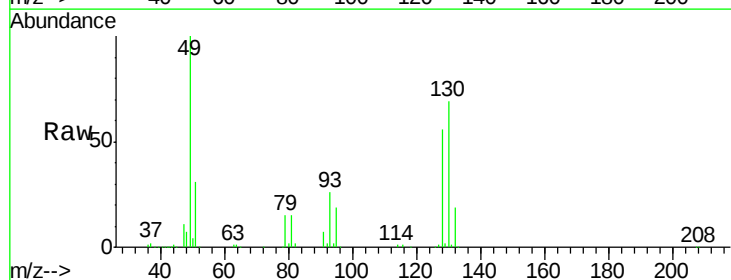
Tot Ion	Ratio	Lower	Upper
96	100		
61	132.9	92.5	171.9
98	63.0	43.0	80.0

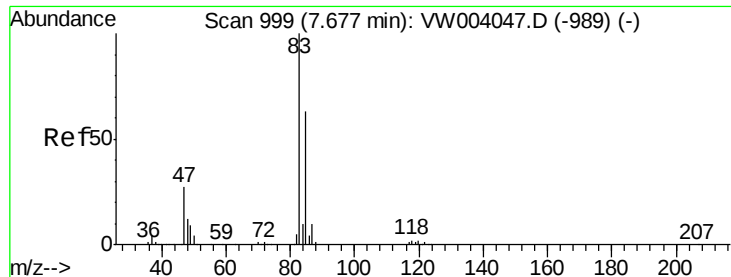


#23

Bromochloromethane
 Concen: 26.312 ug/L
 RT: 7.51 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: VW004067.D
 Acq: 20 Jul 2018 10:27

Tgt Ion	Ratio	Lower	Upper
128	100		
49	177.1	126.4	234.8
130	122.8	87.8	163.0
51	55.7	46.2	69.2





#25

Chloroform

Concen: 26.598 ug/L

RT: 7.68 min Scan# 999

Delta R.T. 0.00 min

Lab File: VW004067.D

Acq: 20 Jul 2018 10:27

Instrument :

MSVOA_W

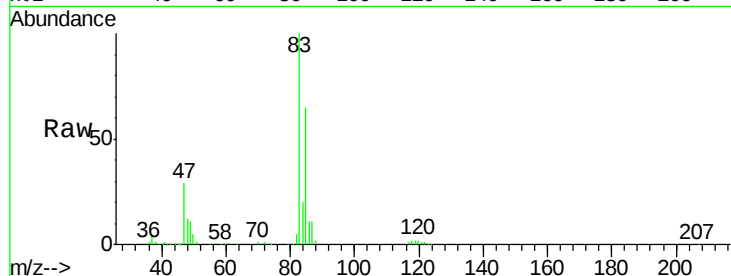
ClientSampled :

Tot Ion: 83 Resp: 238356

Ion Ratio Lower Upper

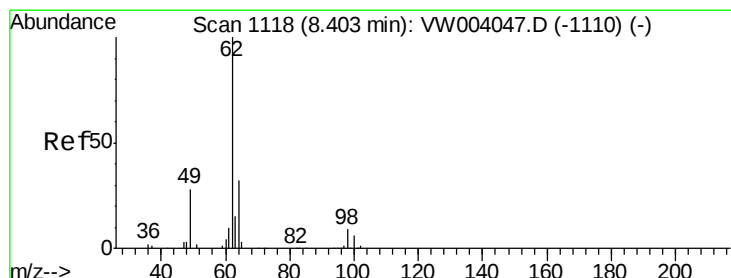
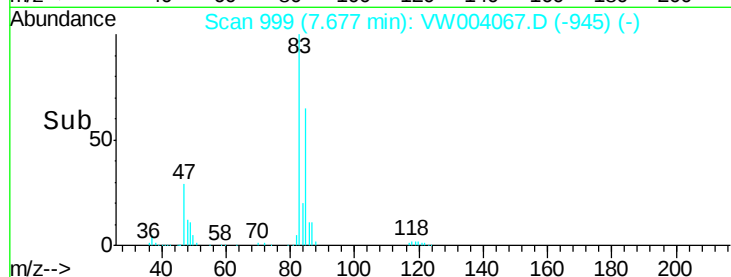
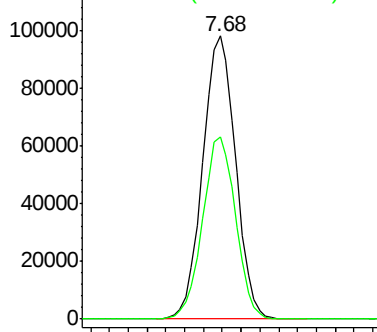
83 100

85 64.7 45.3 84.1



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 26.282 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VW004067.D

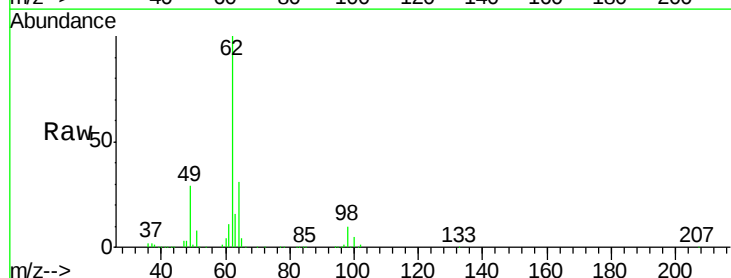
Acq: 20 Jul 2018 10:27

Tgt Ion: 62 Resp: 173588

Ion Ratio Lower Upper

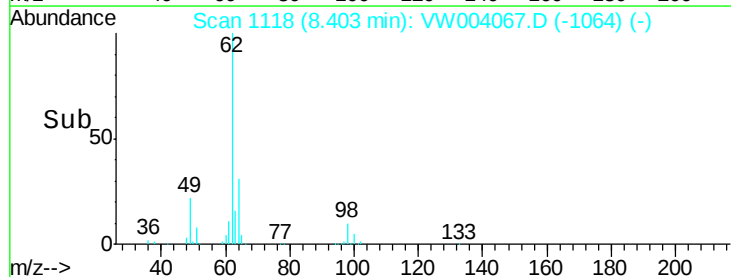
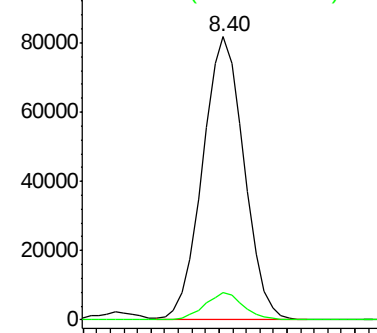
62 100

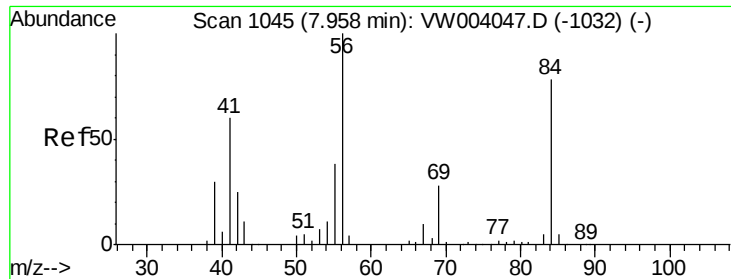
98 9.6 6.2 9.4#



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

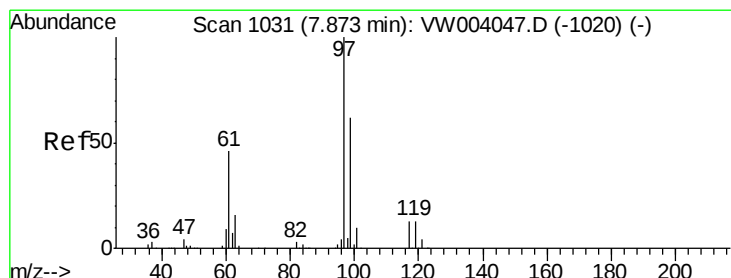
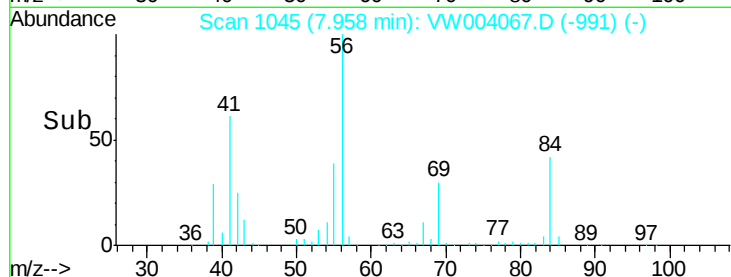
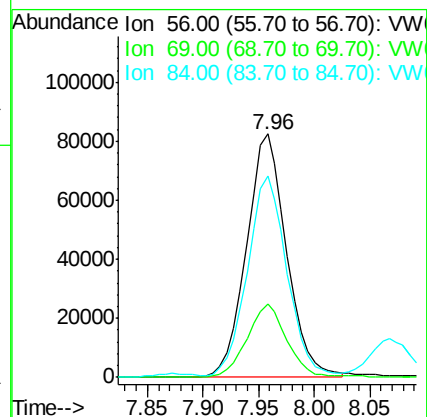
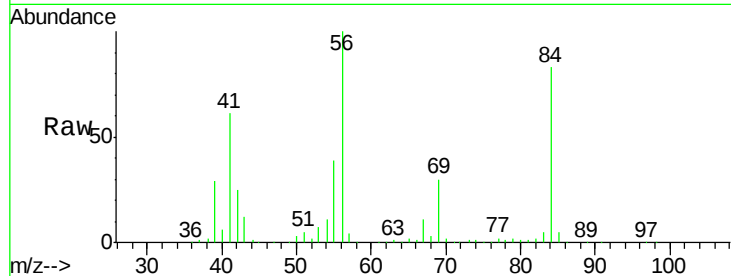




#30
Cyclohexane
Concen: 26.828 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VW004067.D
Acq: 20 Jul 2018 10:27

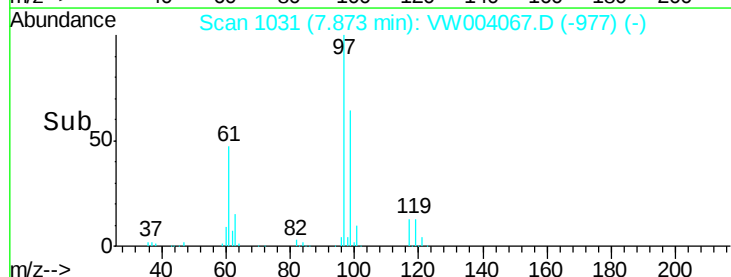
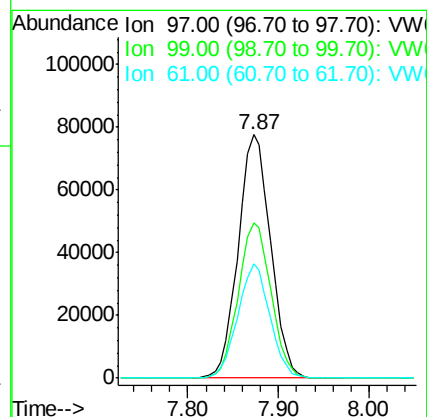
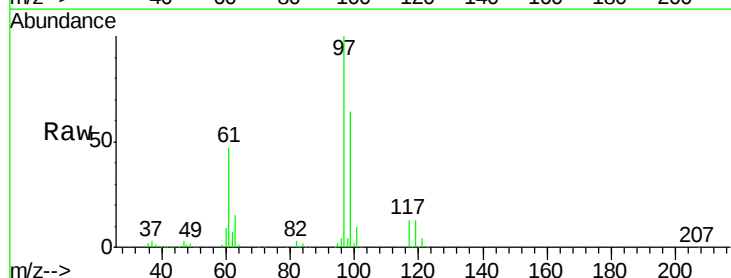
Instrument :
MSVOA_W
ClientSampleId :

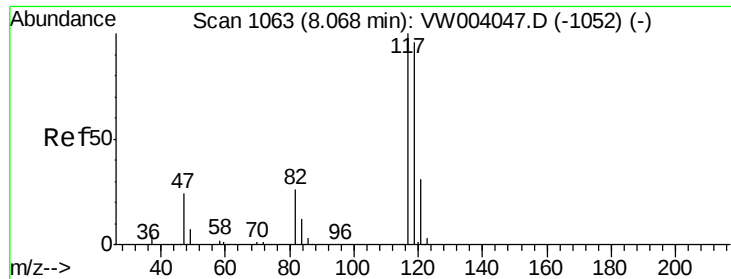
Tot Ion: 56 Resp: 206164
Ion Ratio Lower Upper
56 100
69 29.9 22.8 34.2
84 82.7 64.6 96.8



#31
1,1,1-Trichloroethane
Concen: 26.891 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW004067.D
Acq: 20 Jul 2018 10:27

Tgt Ion: 97 Resp: 192695
Ion Ratio Lower Upper
97 100
99 64.4 51.8 77.6
61 46.5 38.6 57.8





#32

Carbon tetrachloride

Concen: 26.664 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VW004067.D

Acq: 20 Jul 2018 10:27

Instrument :

MSVOA_W

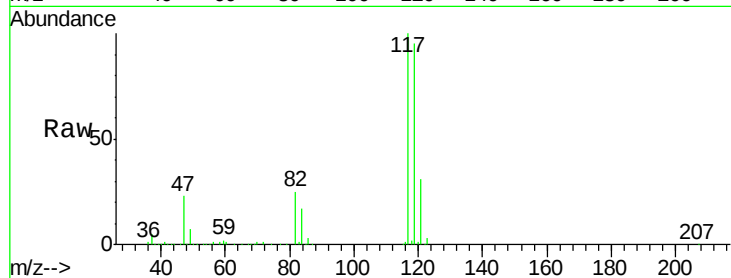
ClientSampleId :

Tot Ion:117 Resp: 184347

Ion Ratio Lower Upper

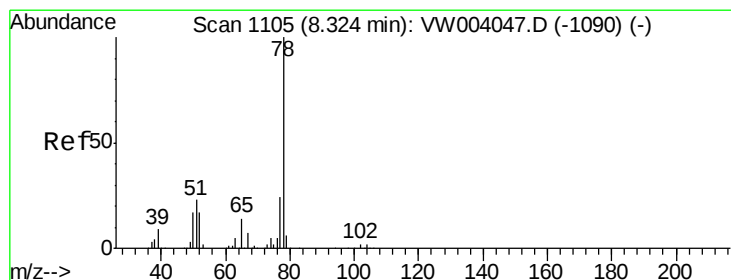
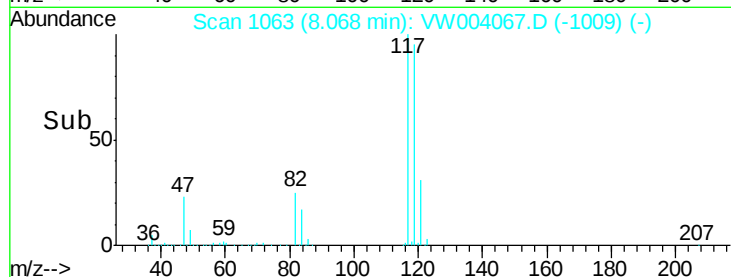
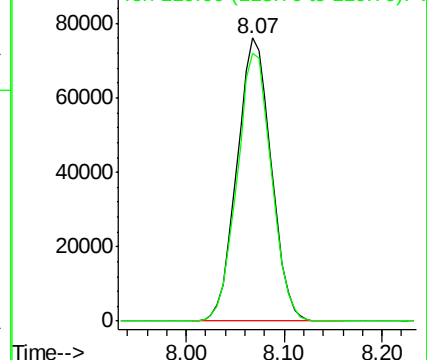
117 100

119 95.3 76.4 114.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 27.160 ug/L

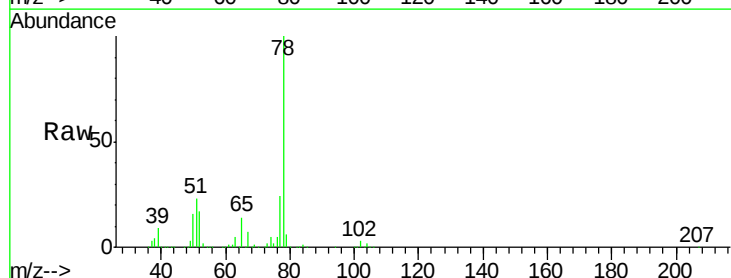
RT: 8.32 min Scan# 1105

Delta R.T. 0.00 min

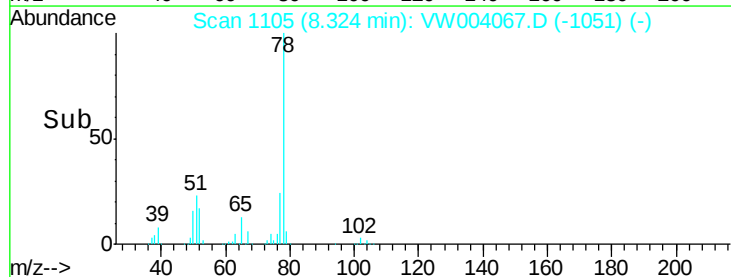
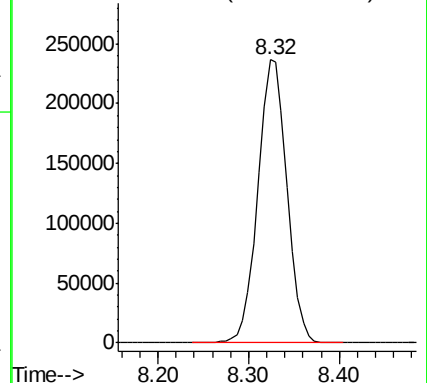
Lab File: VW004067.D

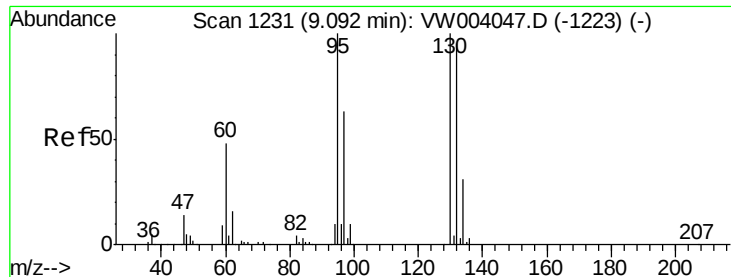
Acq: 20 Jul 2018 10:27

Tgt Ion: 78 Resp: 524566



Abundance Ion 78.00 (77.70 to 78.70): VW

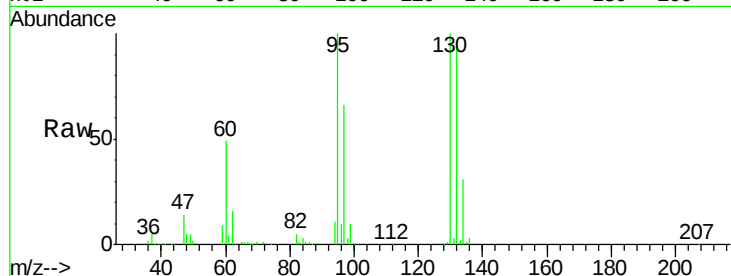




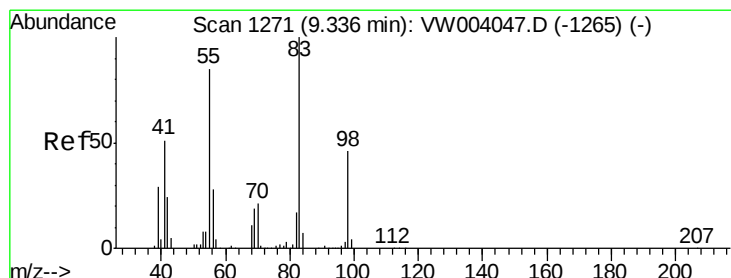
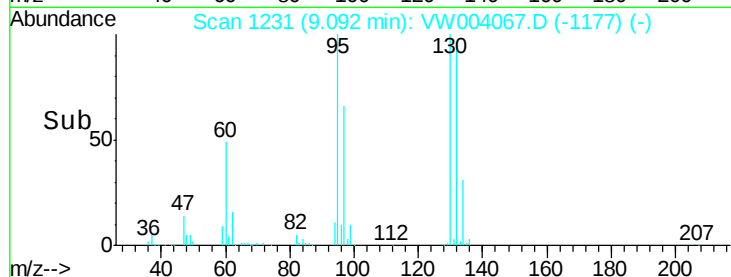
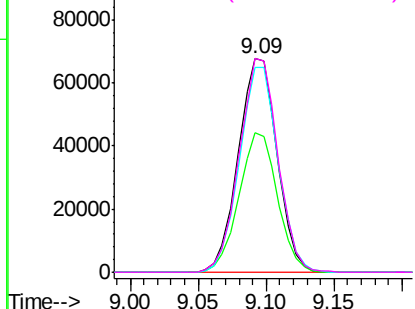
#35
 Trichloroethene
 Concen: 26.061 ug/L
 RT: 9.09 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: VW004067.D
 Acq: 20 Jul 2018 10:27

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 95 Resp: 134670
 Ion Ratio Lower Upper
 95 100
 97 64.9 44.7 83.1
 132 95.8 66.1 122.7
 130 99.5 68.9 127.9

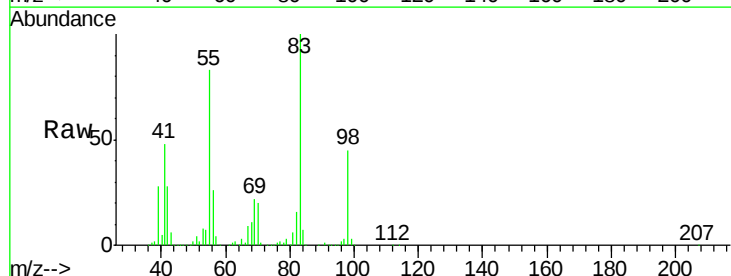


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

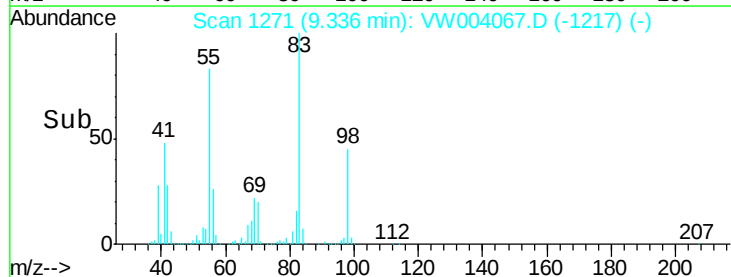
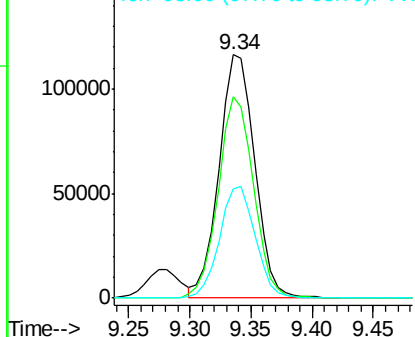


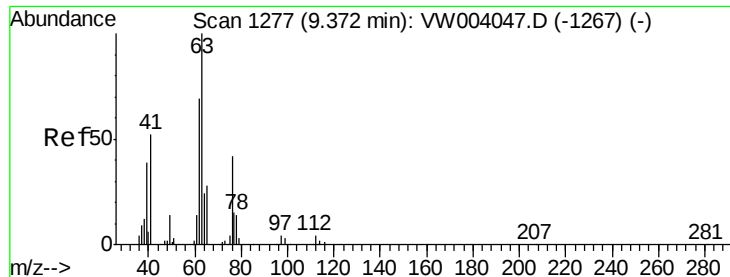
#36
 Methylcyclohexane
 Concen: 27.663 ug/L
 RT: 9.34 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VW004067.D
 Acq: 20 Jul 2018 10:27

Tgt Ion: 83 Resp: 236267
 Ion Ratio Lower Upper
 83 100
 55 81.7 65.8 98.6
 98 45.8 37.0 55.6



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

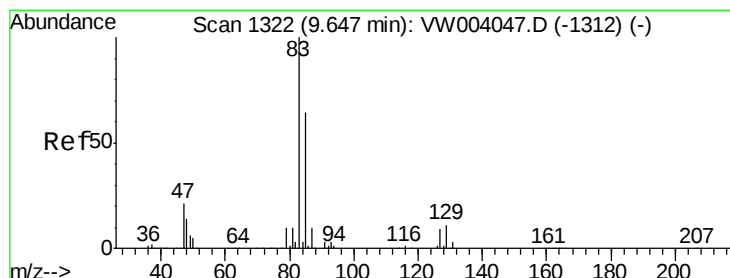
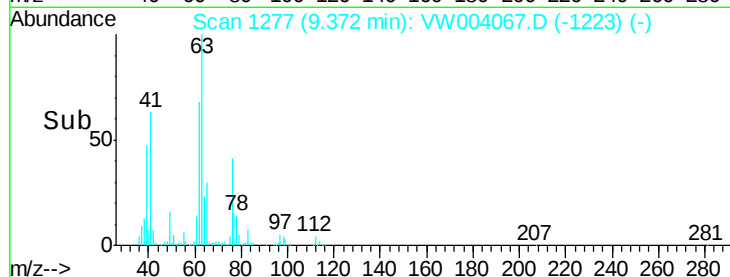
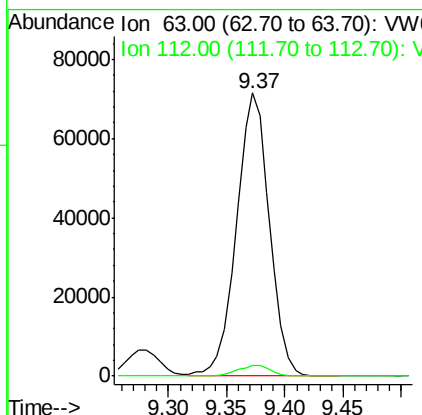
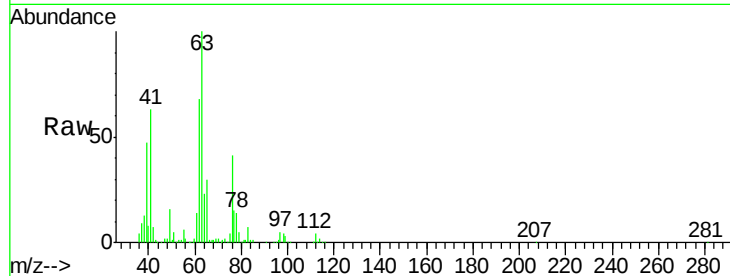




#40
 1,2-Dichloropropane
 Concen: 26.851 ug/L
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW004067.D
 Acq: 20 Jul 2018 10:27

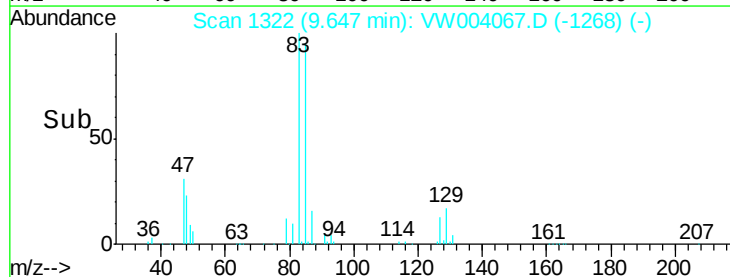
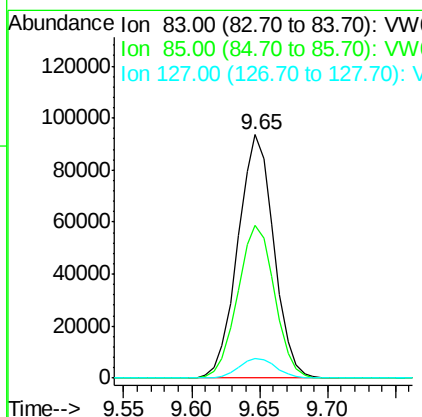
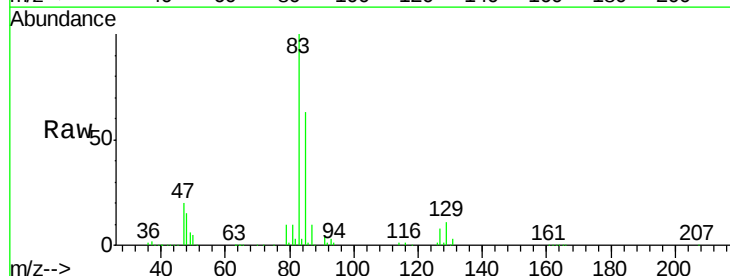
Instrument :
 MSVOA_W
 ClientSampleId :

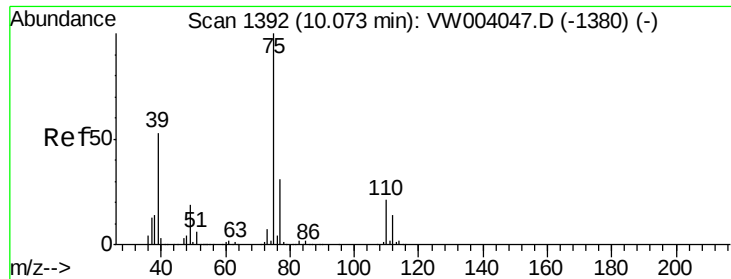
Tot Ion: 63 Resp: 140583
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.0 4.4



#41
 Bromodichloromethane
 Concen: 26.774 ug/L
 RT: 9.65 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VW004067.D
 Acq: 20 Jul 2018 10:27

Tgt Ion: 83 Resp: 172594
 Ion Ratio Lower Upper
 83 100
 85 62.7 44.7 82.9
 127 8.3 6.7 10.1

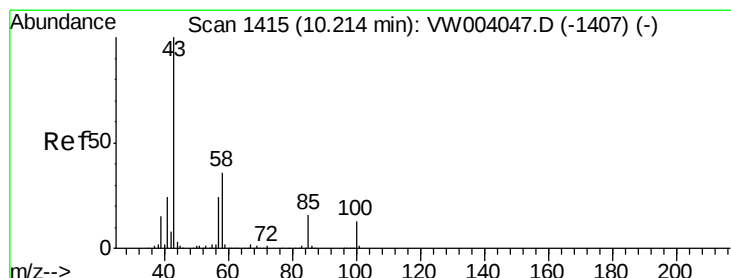
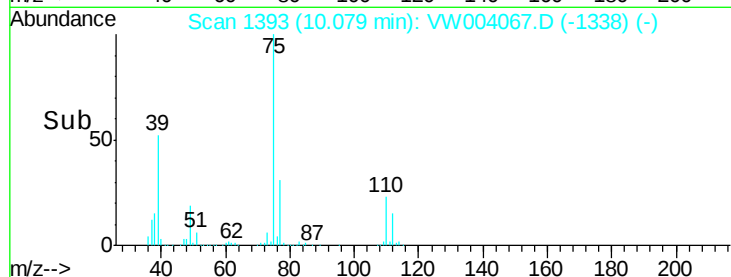
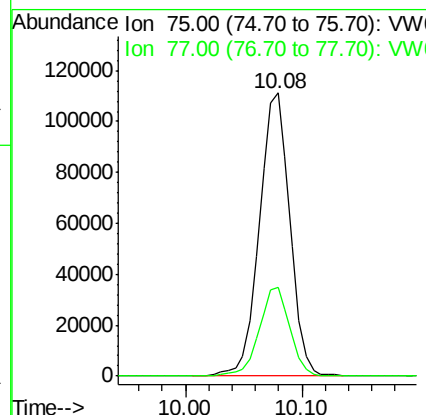
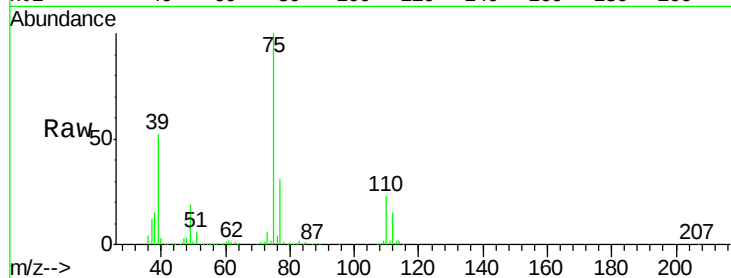




#42
 cis-1,3-Dichloropropene
 Concen: 27.591 ug/L
 RT: 10.08 min Scan# 1393
 Delta R.T. 0.01 min
 Lab File: VW004067.D
 Acq: 20 Jul 2018 10:27

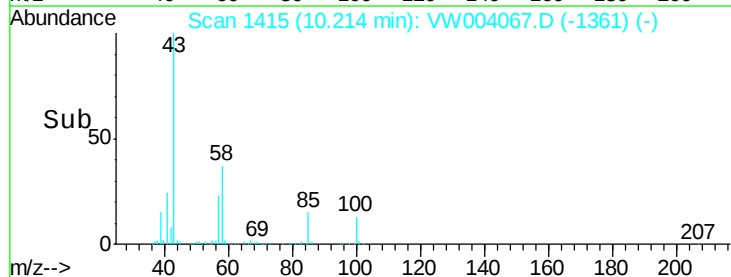
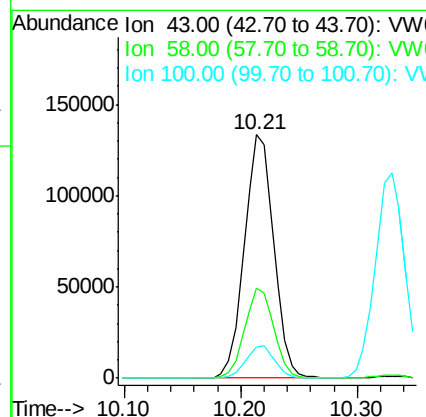
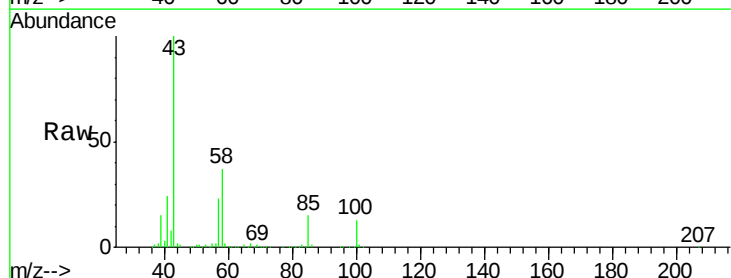
Instrument :
 MSVOA_W
 ClientSampleId :

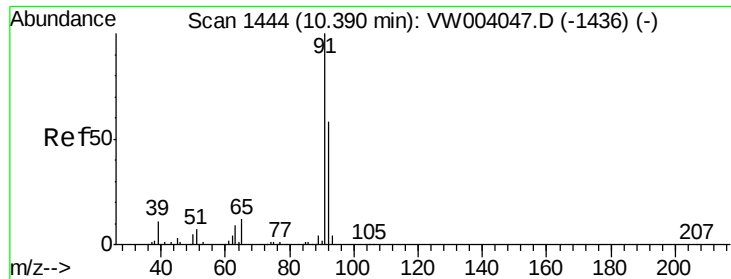
Tot Ion: 75 Resp: 203551
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.3 41.5



#43
 4-Methyl-2-pentanone
 Concen: 51.167 ug/L
 RT: 10.21 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VW004067.D
 Acq: 20 Jul 2018 10:27

Tgt Ion: 43 Resp: 235513
 Ion Ratio Lower Upper
 43 100
 58 36.6 29.4 44.2
 100 13.2 10.8 16.2





#44

Toluene

Concen: 28.011 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004067.D

Acq: 20 Jul 2018 10:27

Instrument :

MSVOA_W

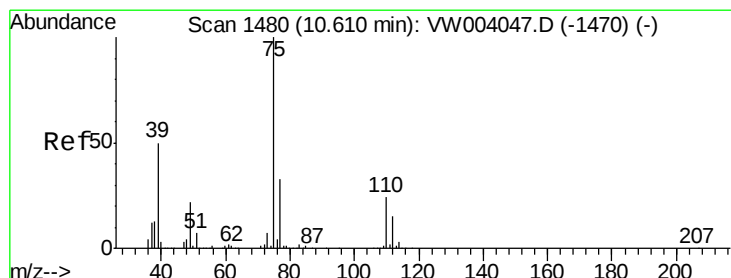
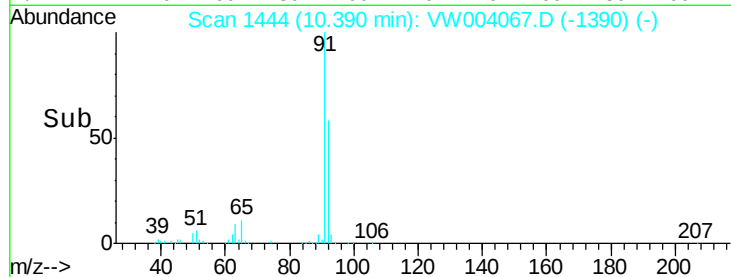
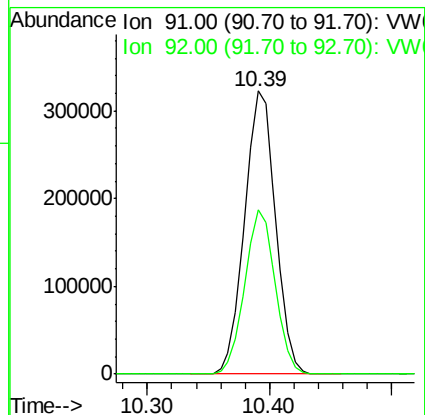
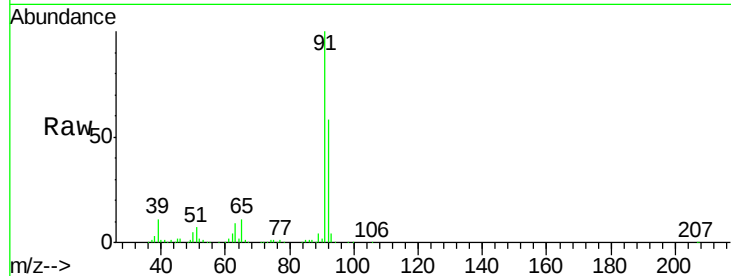
ClientSampleId :

Tot Ion: 91 Resp: 566887

Ion Ratio Lower Upper

91 100

92 58.2 39.5 73.4



#45

trans-1,3-Dichloropropene

Concen: 27.610 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004067.D

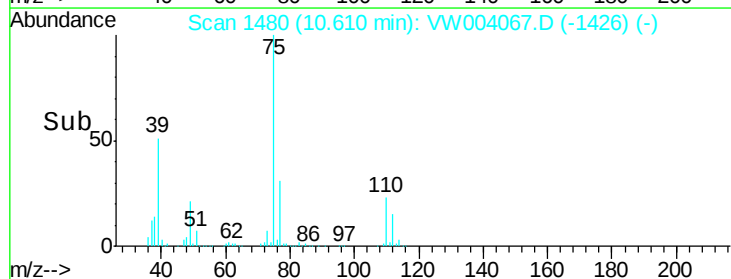
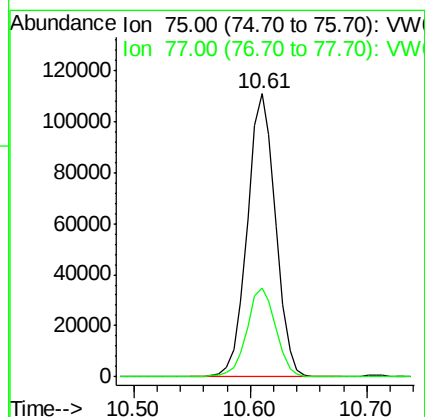
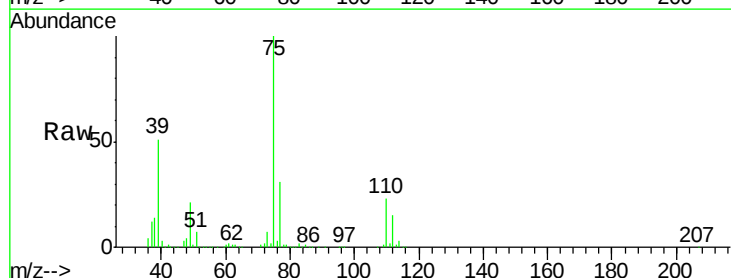
Acq: 20 Jul 2018 10:27

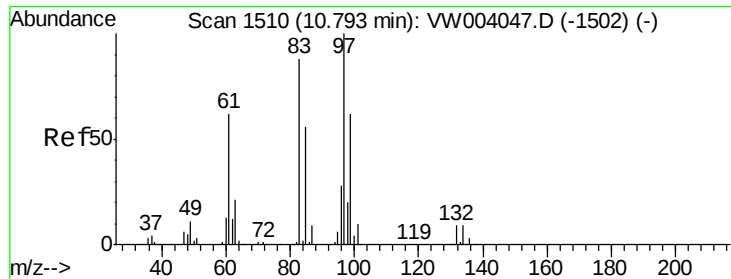
Tgt Ion: 75 Resp: 187880

Ion Ratio Lower Upper

75 100

77 31.2 22.5 41.7

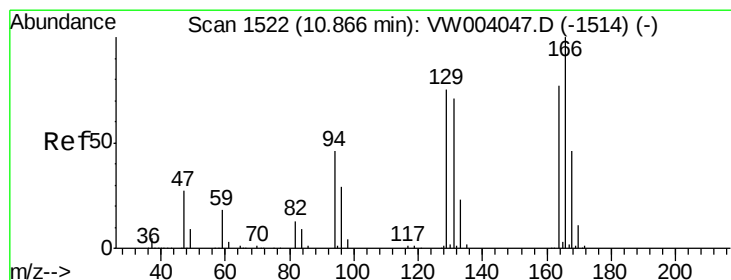
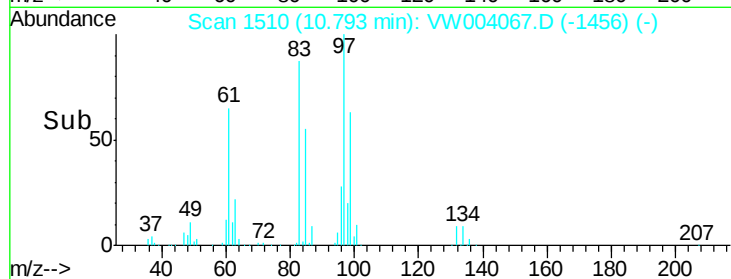
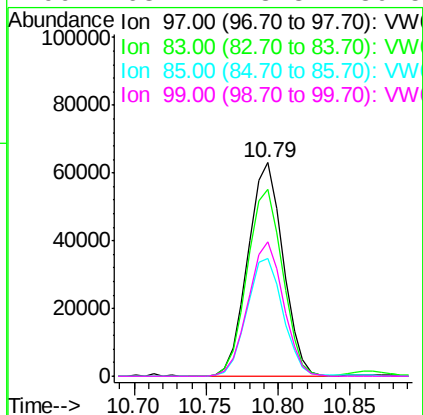
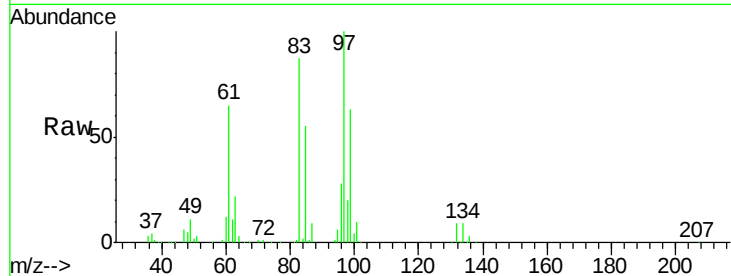




#46
 1,1,2-Trichloroethane
 Concen: 26.220 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW004067.D
 Acq: 20 Jul 2018 10:27

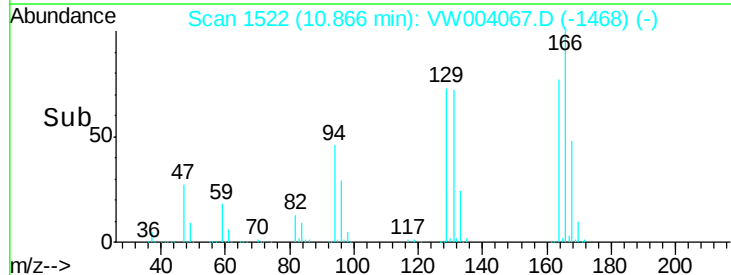
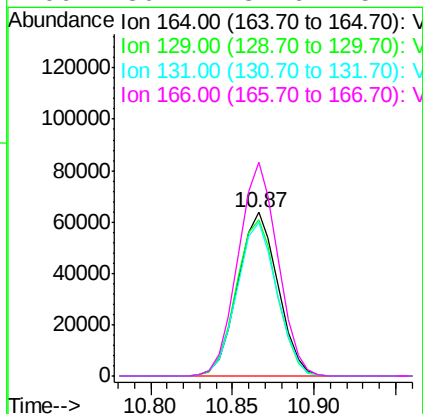
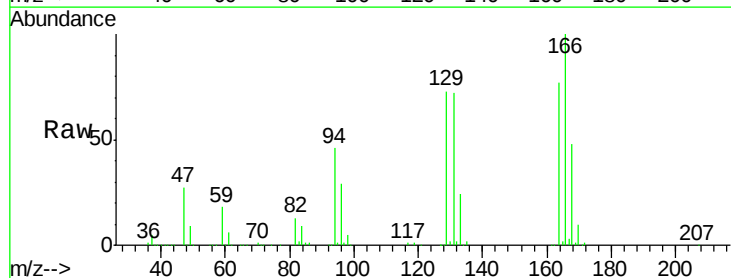
Instrument :
 MSVOA_W
 ClientSampleId :

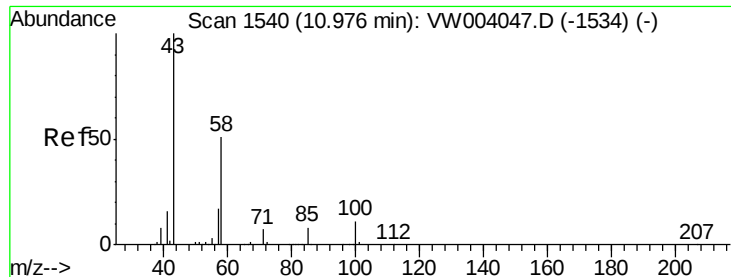
Tot Ion:	97	Resp:	106692
Ion	Ratio	Lower	Upper
97	100		
83	87.4	59.4	110.4
85	55.0	40.0	74.2
99	63.1	43.3	80.5



#47
 Tetrachloroethene
 Concen: 26.238 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. 0.00 min
 Lab File: VW004067.D
 Acq: 20 Jul 2018 10:27

Tgt Ion:	164	Resp:	109350
Ion	Ratio	Lower	Upper
164	100		
129	95.7	63.1	117.3
131	93.7	62.8	116.6
166	130.7	84.6	157.2

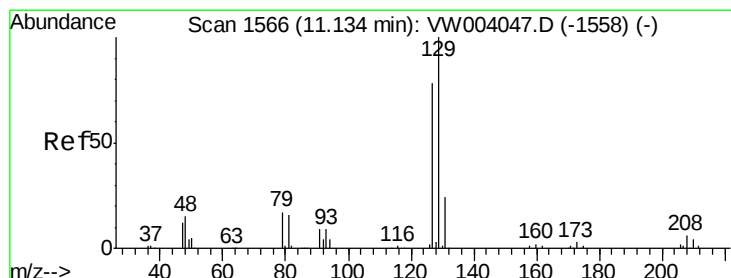
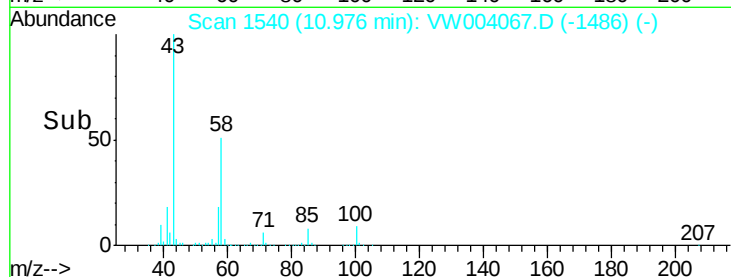
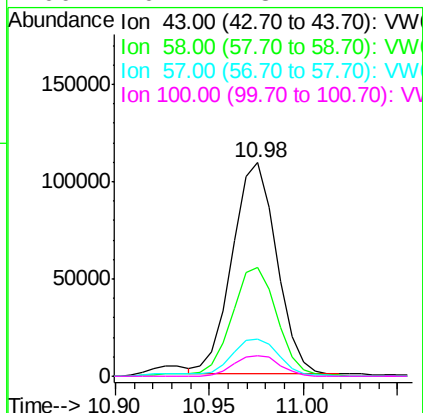
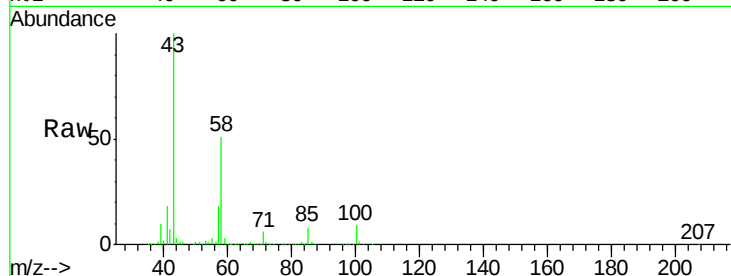




#49
2-Hexanone
Concen: 50.015 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004067.D
Acq: 20 Jul 2018 10:27

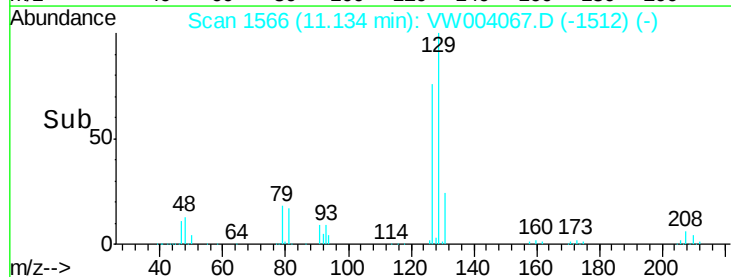
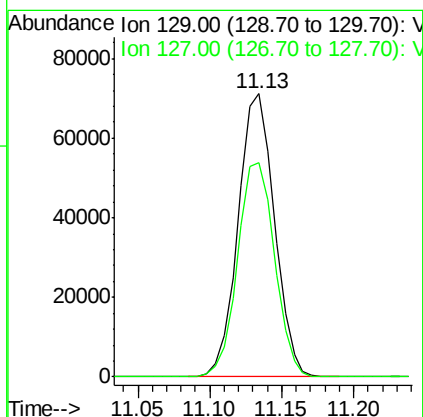
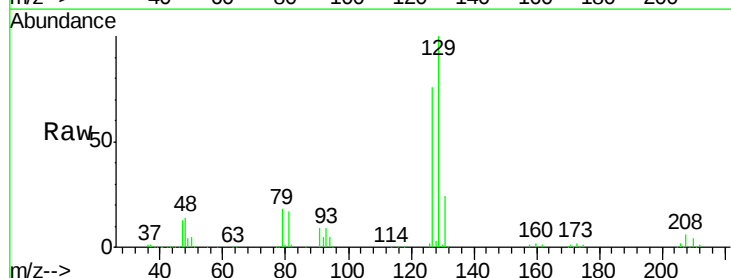
Instrument :
MSVOA_W
ClientSampleId :

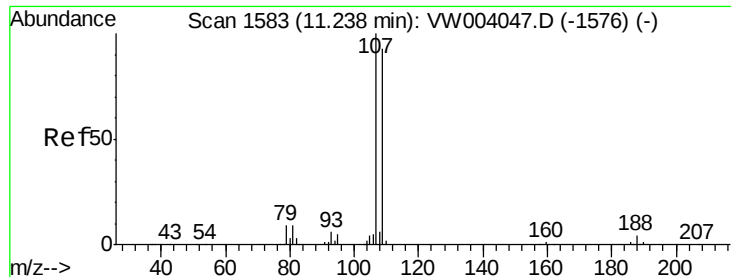
Tot Ion: 43 Resp: 178225
Ion Ratio Lower Upper
43 100
58 52.0 40.4 60.6
57 18.8 14.0 21.0
100 10.2 8.2 12.2



#50
Dibromochloromethane
Concen: 27.297 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW004067.D
Acq: 20 Jul 2018 10:27

Tgt Ion: 129 Resp: 124433
Ion Ratio Lower Upper
129 100
127 75.9 56.1 104.3

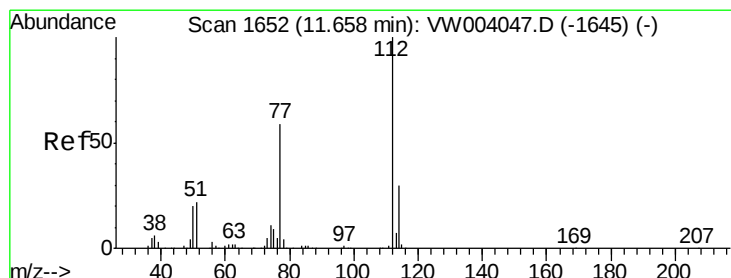
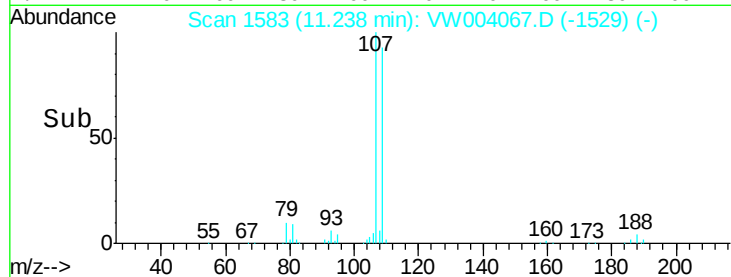
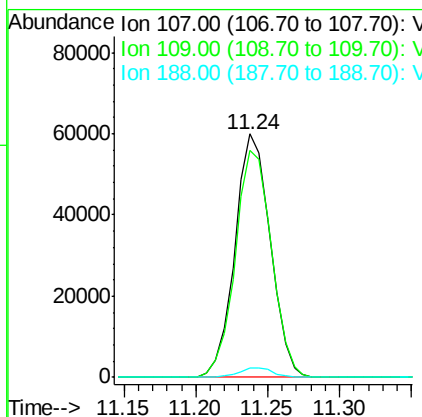
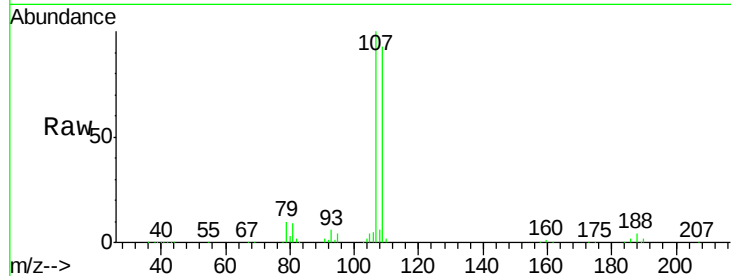




#51
 1,2-Dibromoethane
 Concen: 25.738 ug/L
 RT: 11.24 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VW004067.D
 Acq: 20 Jul 2018 10:27

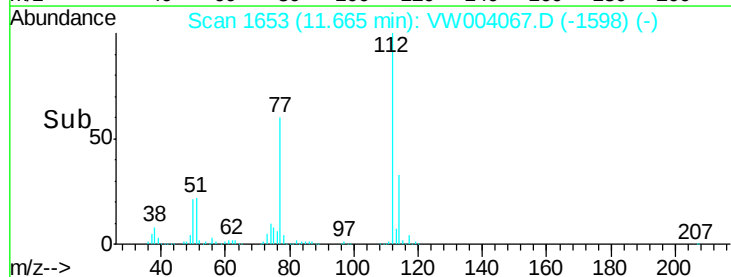
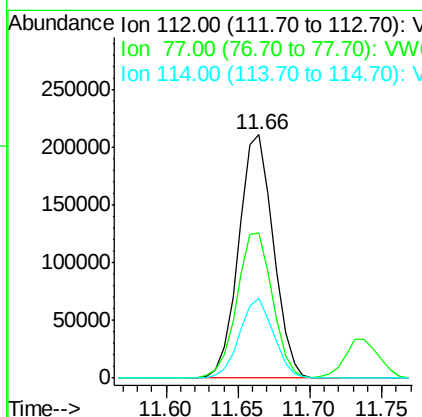
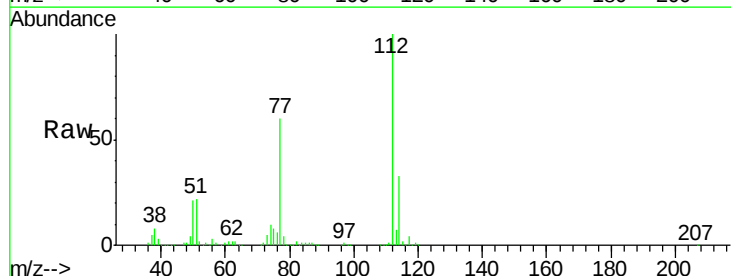
Instrument :
 MSVOA_W
 ClientSampleId :

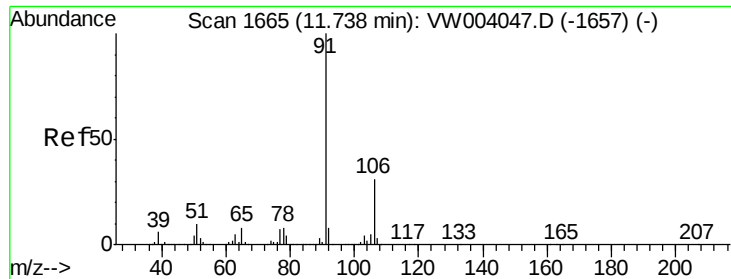
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.2	65.2	121.0
188	3.6	2.9	4.3



#52
 Chlorobenzene
 Concen: 27.202 ug/L
 RT: 11.66 min Scan# 1653
 Delta R.T. 0.01 min
 Lab File: VW004067.D
 Acq: 20 Jul 2018 10:27

Tgt Ion	Ratio	Lower	Upper
112	100		
77	59.8	47.7	71.5
114	32.6	22.2	41.2





#53

Ethylbenzene

Concen: 28.336 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW004067.D

Acq: 20 Jul 2018 10:27

Instrument :

MSVOA_W

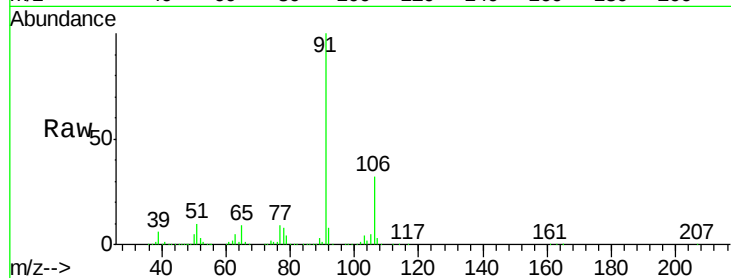
ClientSampled :

Tot Ion: 91 Resp: 620775

Ion Ratio Lower Upper

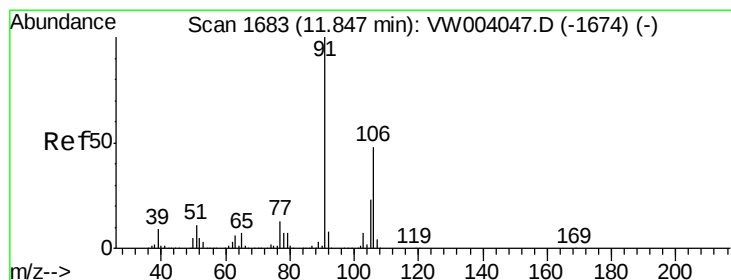
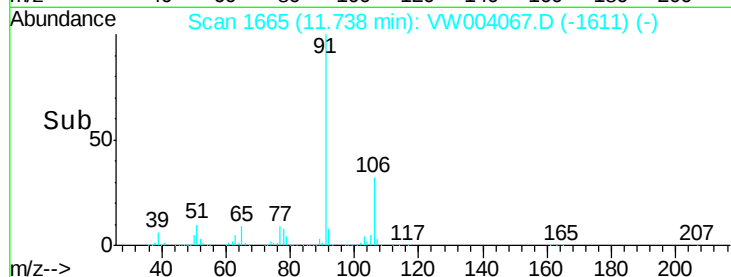
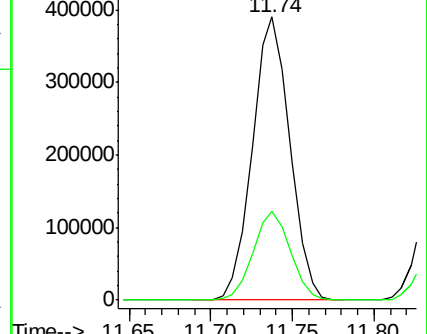
91 100

106 31.6 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 28.770 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW004067.D

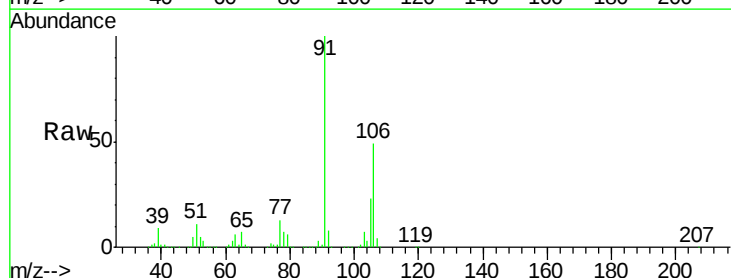
Acq: 20 Jul 2018 10:27

Tgt Ion: 106 Resp: 232296

Ion Ratio Lower Upper

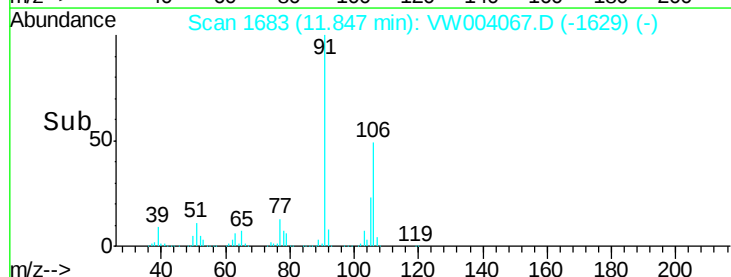
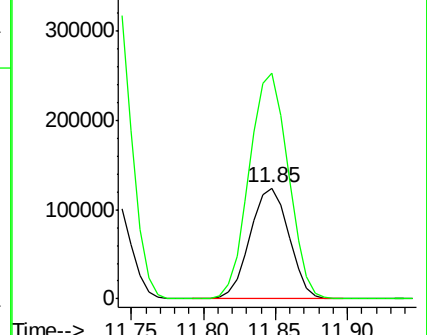
106 100

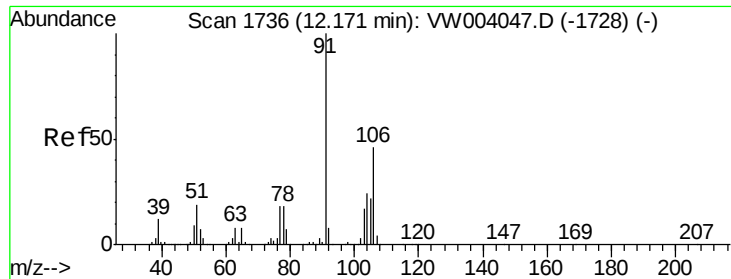
91 203.6 142.1 263.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#55

o-xylene

Concen: 28.129 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VW004067.D

Acq: 20 Jul 2018 10:27

Instrument :

MSVOA_W

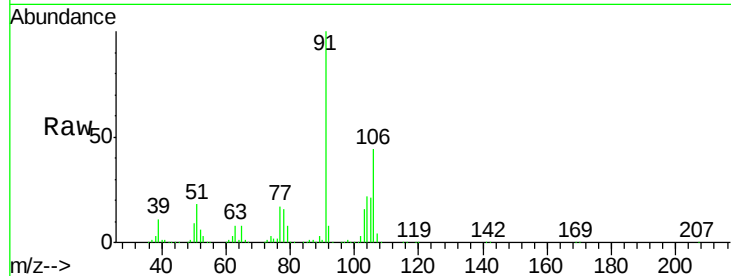
ClientSampled :

Tot Ion:106 Resp: 217238

Ion Ratio Lower Upper

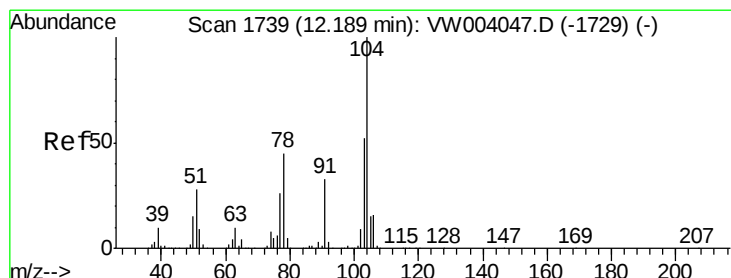
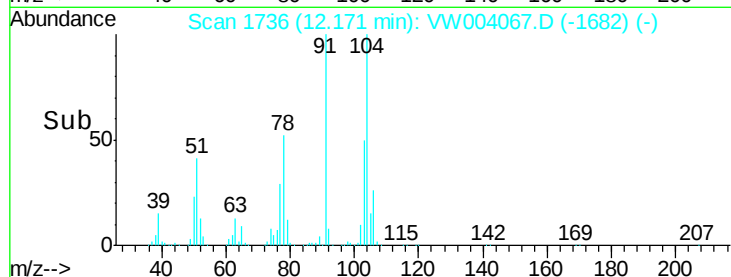
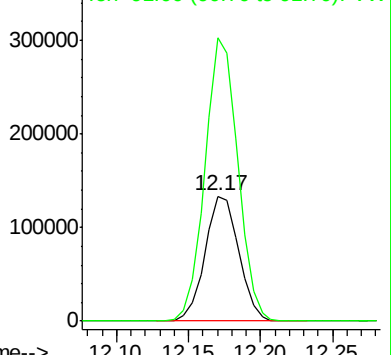
106 100

91 227.0 151.3 280.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 28.788 ug/L

RT: 12.19 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VW004067.D

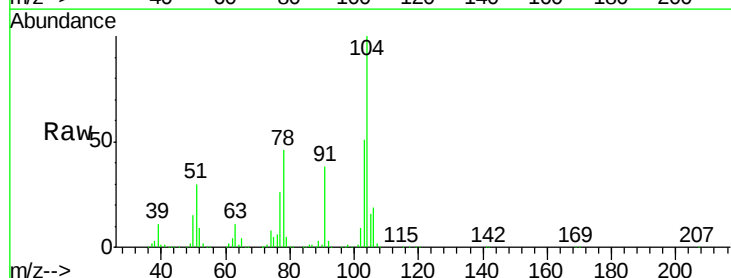
Acq: 20 Jul 2018 10:27

Tgt Ion:104 Resp: 384078

Ion Ratio Lower Upper

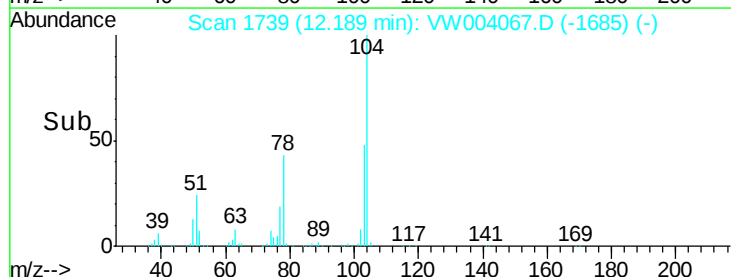
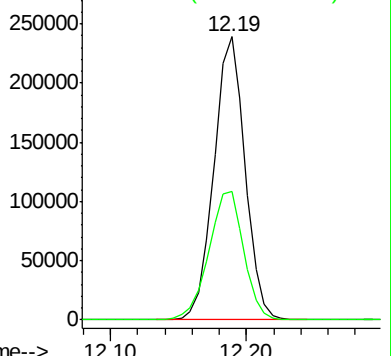
104 100

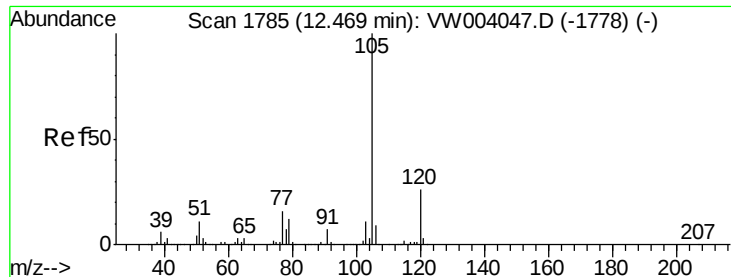
78 45.5 32.2 59.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 28.963 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004067.D

Acq: 20 Jul 2018 10:27

Instrument :

MSVOA_W

ClientSampled :

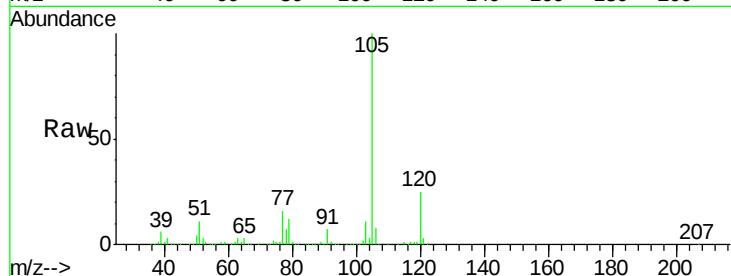
Tot Ion:105 Resp: 613275

Ion Ratio Lower Upper

105 100

120 26.2 21.0 31.4

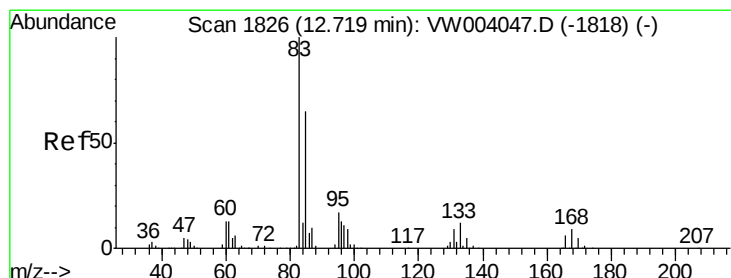
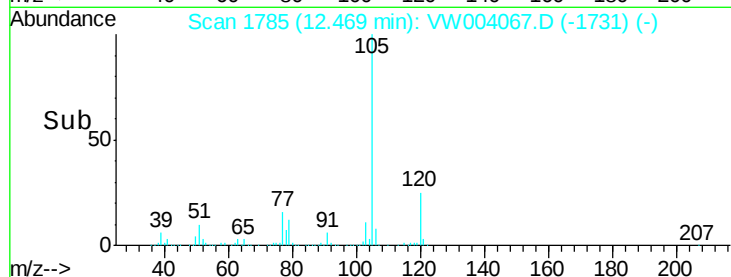
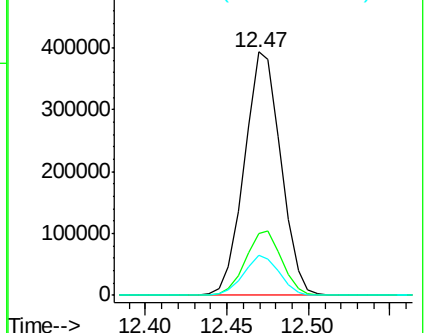
77 16.1 13.1 19.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 25.003 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004067.D

Acq: 20 Jul 2018 10:27

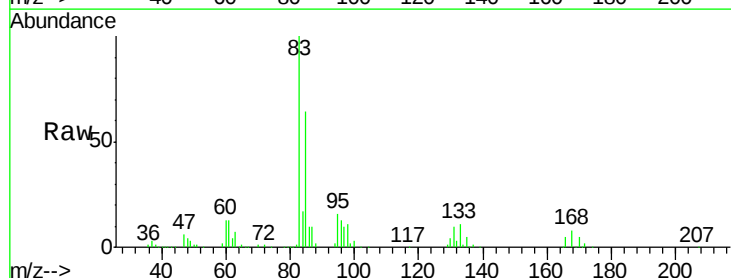
Tgt Ion: 83 Resp: 145427

Ion Ratio Lower Upper

83 100

85 63.9 44.7 83.1

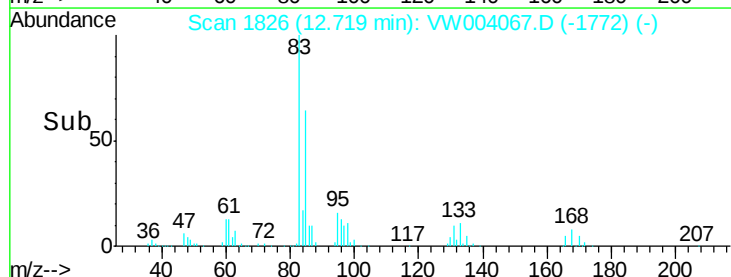
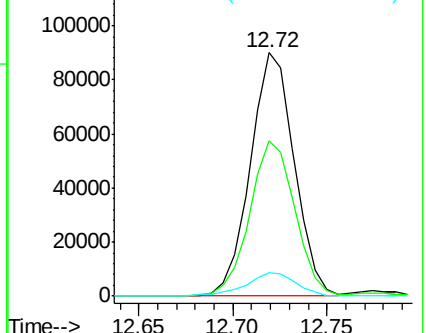
131 9.7 7.8 11.6

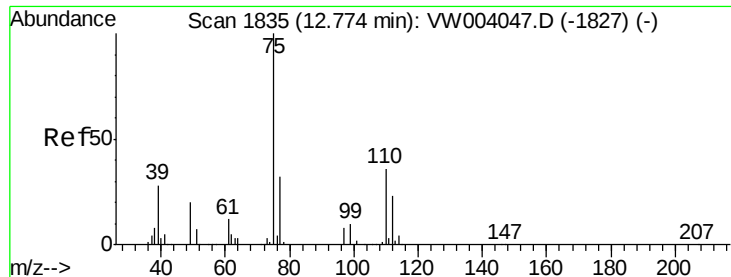


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.220 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW004067.D

Acq: 20 Jul 2018 10:27

Instrument :

MSVOA_W

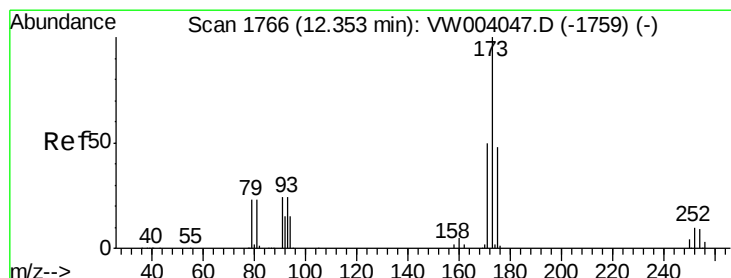
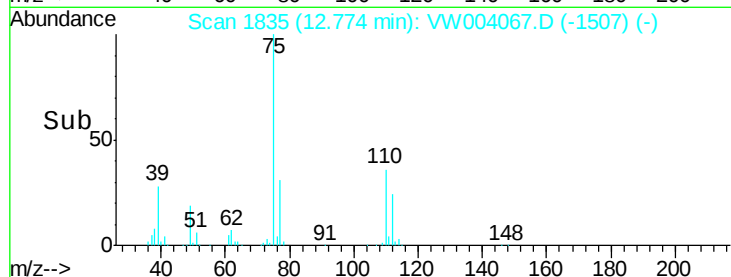
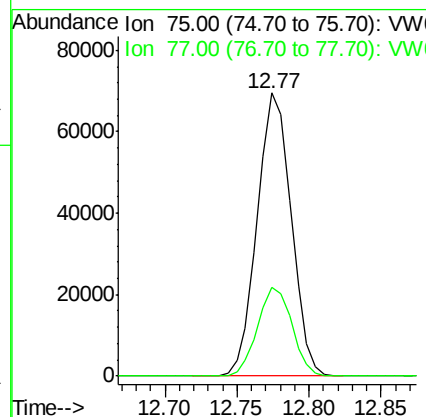
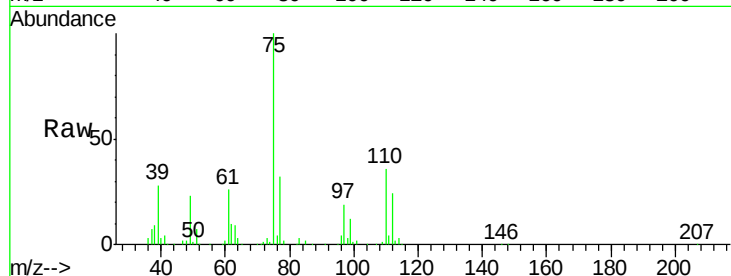
ClientSampleId :

Tot Ion: 75 Resp: 113548

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.0



#62

Bromoform

Concen: 26.071 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW004067.D

Acq: 20 Jul 2018 10:27

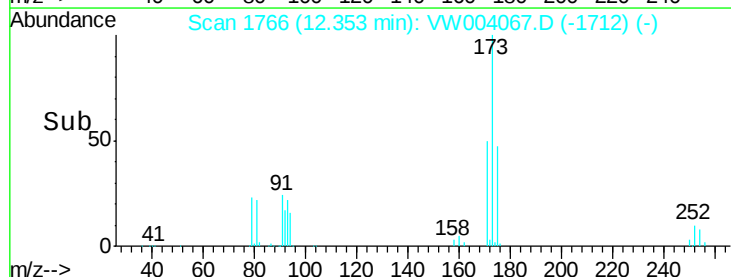
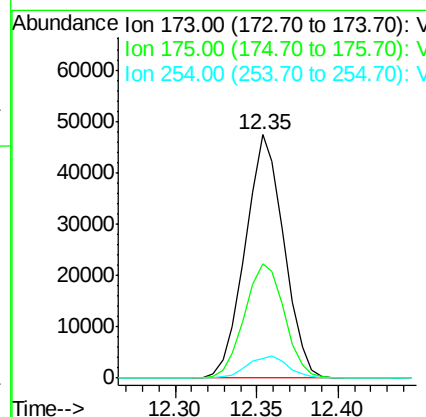
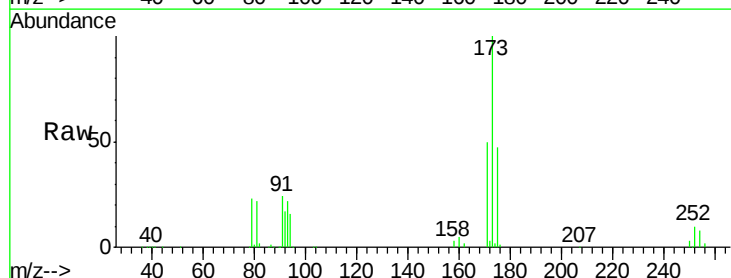
Tgt Ion: 173 Resp: 78451

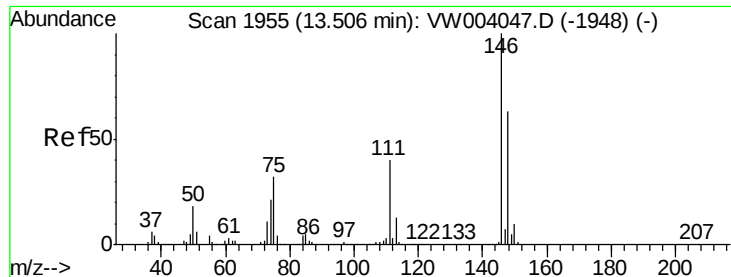
Ion Ratio Lower Upper

173 100

175 48.4 39.4 59.0

254 9.4 7.4 11.2





#63

1,3-Dichlorobenzene

Concen: 27.065 ug/L

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW004067.D

Acq: 20 Jul 2018 10:27

Instrument :

MSVOA_W

ClientSampleId :

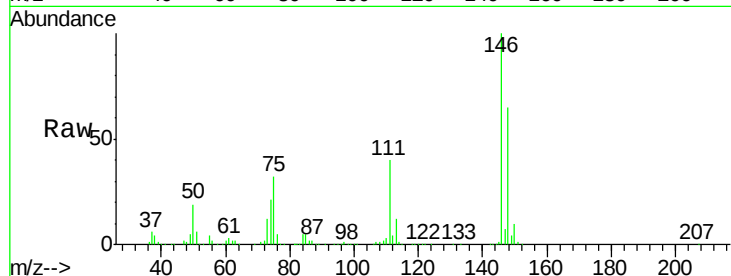
Tot Ion:146 Resp: 265790

Ion Ratio Lower Upper

146 100

111 39.8 27.9 51.7

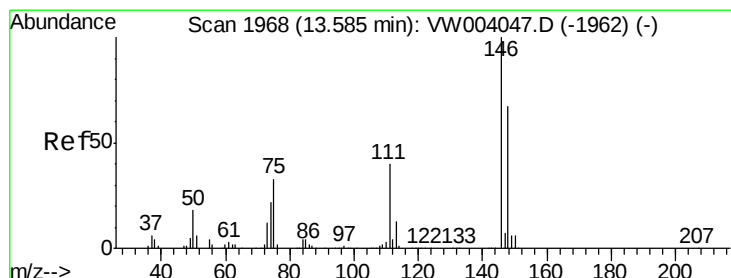
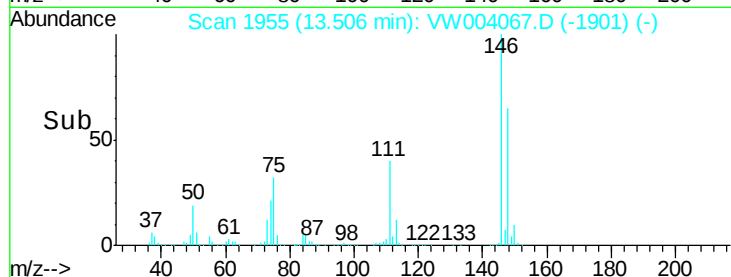
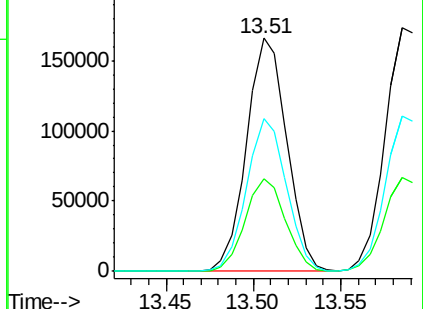
148 65.4 44.2 82.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 27.017 ug/L

RT: 13.58 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VW004067.D

Acq: 20 Jul 2018 10:27

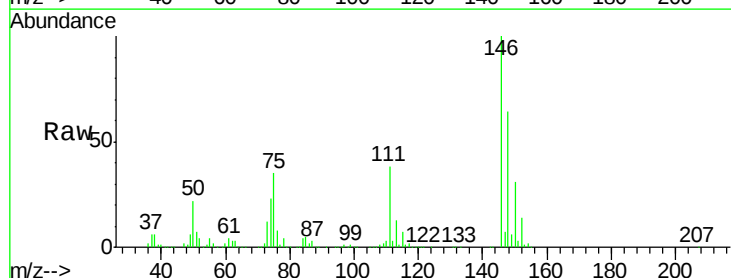
Tgt Ion:146 Resp: 284485

Ion Ratio Lower Upper

146 100

111 38.5 26.8 49.8

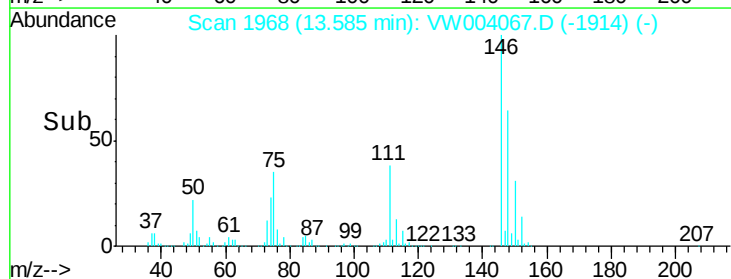
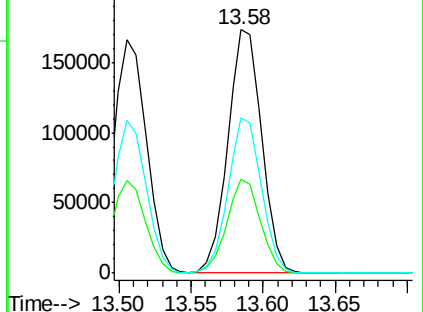
148 63.7 44.3 82.3

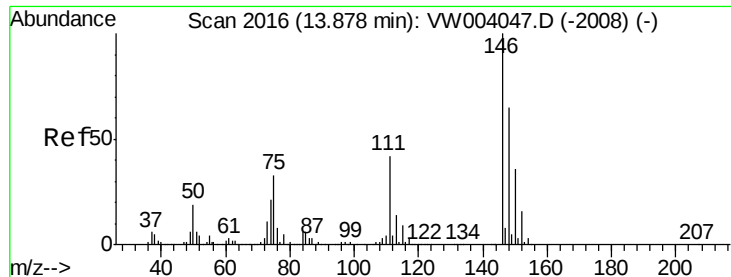


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 27.059 ug/L

RT: 13.88 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VW004067.D

Acq: 20 Jul 2018 10:27

Instrument :

MSVOA_W

ClientSampleId :

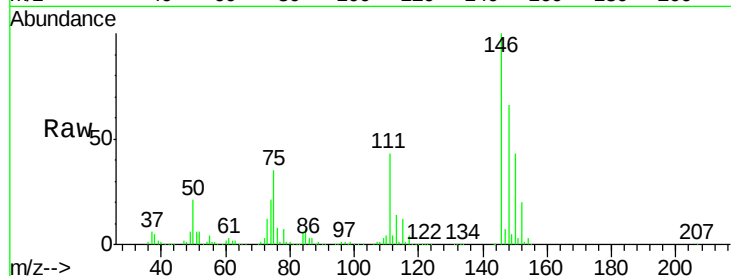
Tot Ion:146 Resp: 258962

Ion Ratio Lower Upper

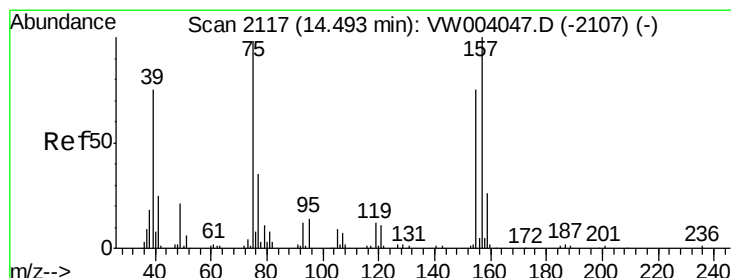
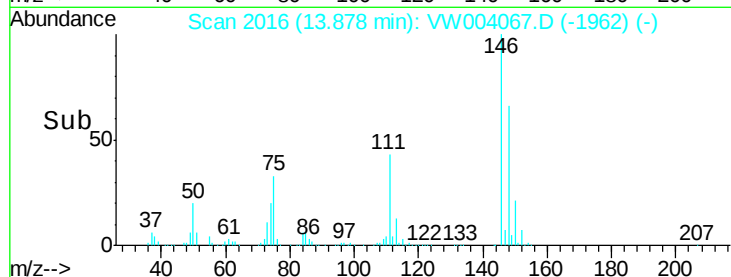
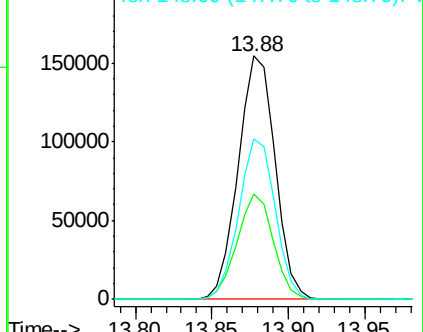
146 100

111 43.5 33.2 49.8

148 66.1 51.0 76.4



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 23.611 ug/L

RT: 14.49 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VW004067.D

Acq: 20 Jul 2018 10:27

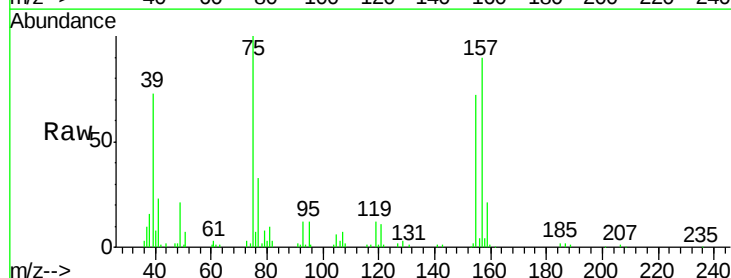
Tgt Ion: 75 Resp: 26344

Ion Ratio Lower Upper

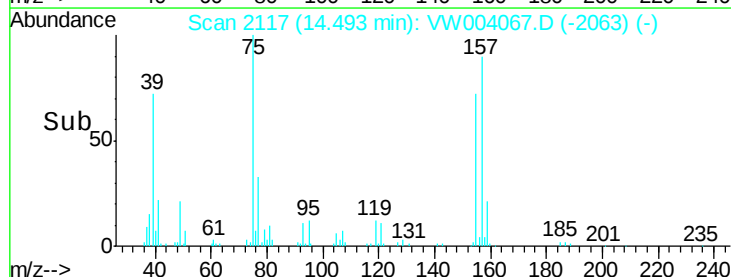
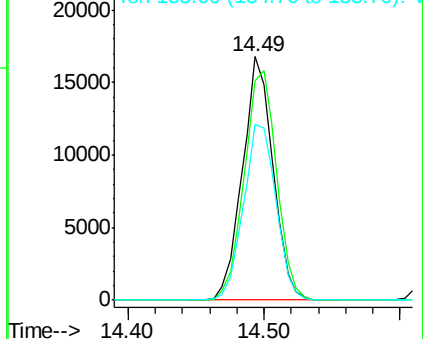
75 100

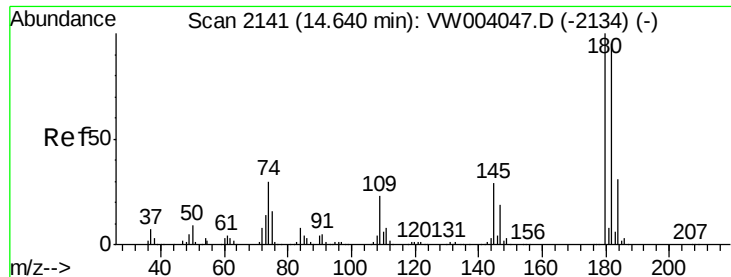
157 90.2 77.9 116.9

155 72.1 61.8 92.8



Abundance Ion 75.00 (74.70 to 75.70): VW
Ion 157.00 (156.70 to 157.70): V
Ion 155.00 (154.70 to 155.70): V

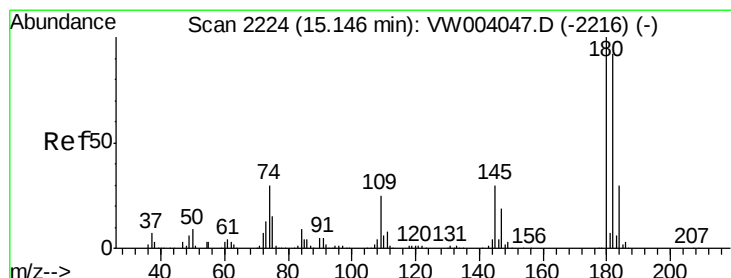
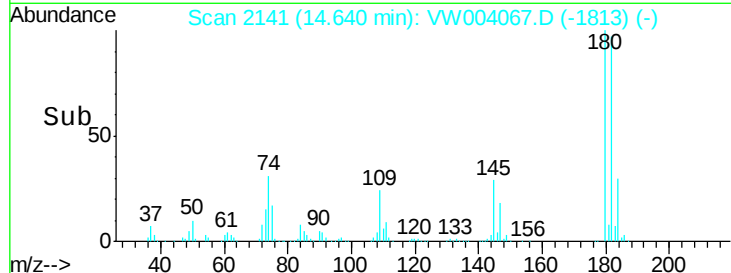
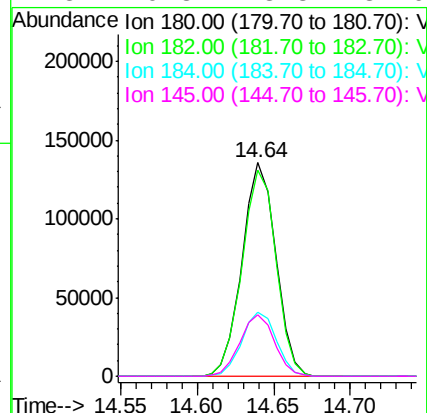
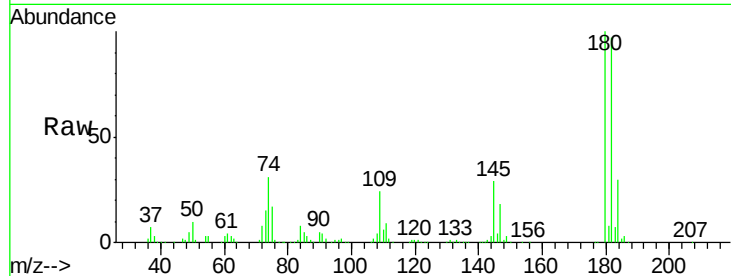




#67
 1,3,5-Trichlorobenzene
 Concen: 26.872 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VW004067.D
 Acq: 20 Jul 2018 10:27

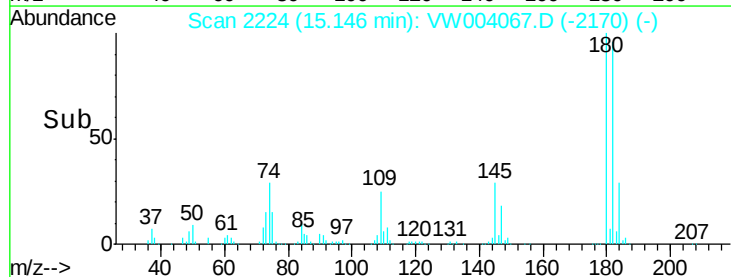
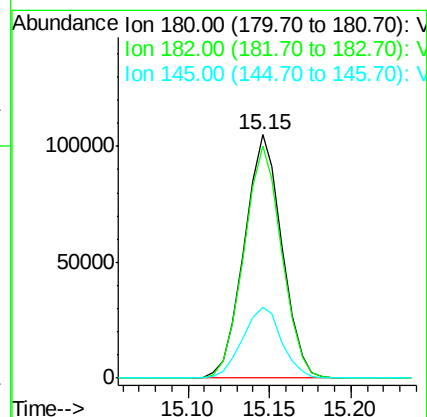
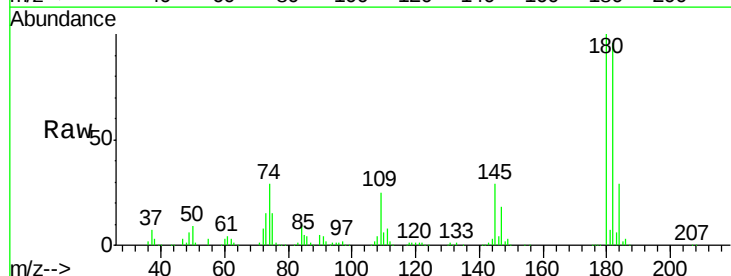
Instrument :
 MSVOA_W
 ClientSampleId :

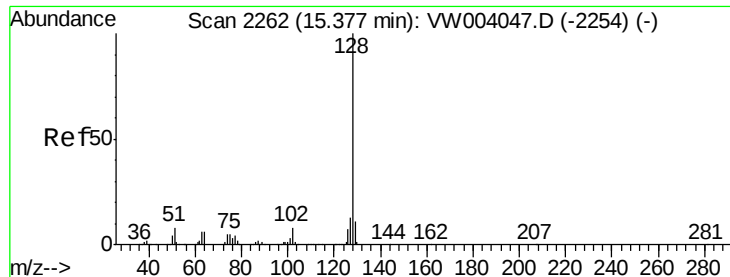
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.2	75.5	113.3
184	30.8	24.0	36.0
145	29.3	23.3	34.9



#68
 1,2,4-trichlorobenzene
 Concen: 27.091 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW004067.D
 Acq: 20 Jul 2018 10:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.8	116.6
145	30.2	24.4	36.6





#69

Naphthalene

Concen: 27.445 ug/L

RT: 15.38 min Scan# 2263

Delta R.T. 0.01 min

Lab File: VW004067.D

Acq: 20 Jul 2018 10:27

Instrument :

MSVOA_W

ClientSampleId :

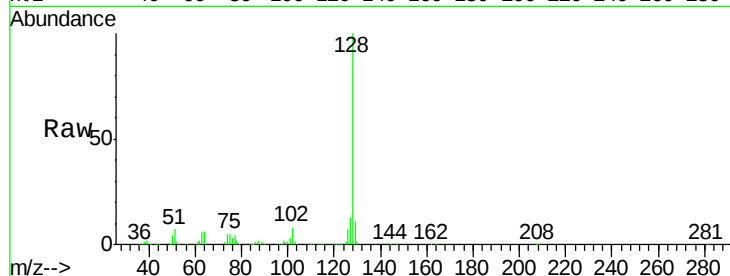
Tot Ion:128 Resp: 384812

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

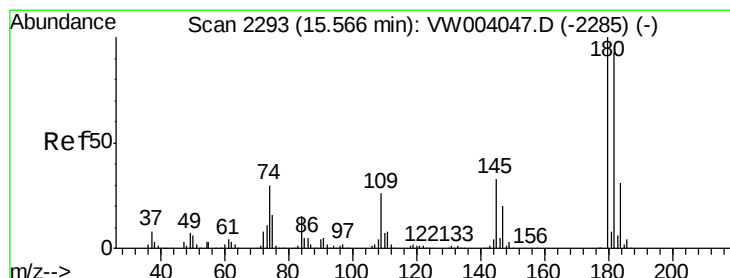
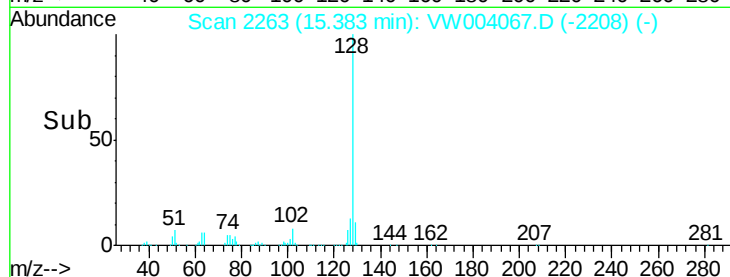
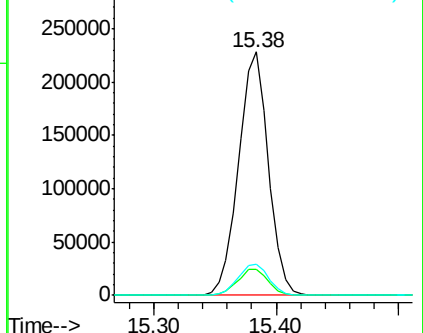
127 13.4 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 27.650 ug/L

RT: 15.57 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VW004067.D

Acq: 20 Jul 2018 10:27

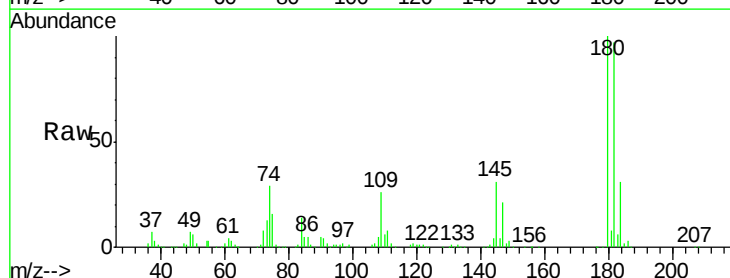
Tgt Ion:180 Resp: 163832

Ion Ratio Lower Upper

180 100

182 96.0 76.6 115.0

145 31.8 25.3 37.9



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

