

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042919\
 Data File : VW010201.D
 Acq On : 30 Apr 2019 02:03
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 30 06:49:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Apr 29 15:05:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	603041	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	583170	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	296473	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	128759	18.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.28%
7) Chloroethane-d5	2.89	69	122768	21.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.56%
10) 1,1-Dichloroethene-d2	4.02	63	313541	20.61	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	82.44%
20) 2-Butanone-d5	7.08	46	130364	51.67	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.34%
24) Chloroform-d	7.65	84	369275	23.63	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.52%
26) 1,2-Dichloroethane-d4	8.31	65	220518	24.56	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.24%
29) Benzene-d6	8.27	84	681109	21.69	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.76%
33) 1,2-Dichloropropane-d6	9.27	67	222503	22.68	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.72%
37) Toluene-d8	10.32	98	616490	21.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.36%
38) trans-1,3-Dichloropropene-	10.58	79	100824	22.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.24%
39) 2-Hexanone-d5	10.93	63	107822	52.30	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.60%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	208377	24.87	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.48%
61) 1,2-Dichlorobenzene-d4	13.85	152	248848	22.60	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	191713	22.631	ug/L	96
3) Chloromethane	2.21	50	170201	23.873	ug/L	95
5) Vinyl chloride	2.37	62	202505	23.150	ug/L	97
6) Bromomethane	2.78	94	124500	24.921	ug/L	99
8) Chloroethane	2.93	64	128284	24.598	ug/L	99
9) Trichlorofluoromethane	3.25	101	99557	20.926	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	163651	22.501	ug/L	96
12) 1,1-Dichloroethene	4.04	96	169732	23.182	ug/L	91
13) Acetone	4.12	43	90282	45.276	ug/L	98
14) Carbon disulfide	4.38	76	492627	23.352	ug/L	99
15) Methyl Acetate	4.67	43	113026	26.107	ug/L	99
16) Methylene chloride	4.91	84	197706	19.702	ug/L	98
17) Methyl tert-butyl Ether	5.42	73	254737	26.764	ug/L #	91
18) trans-1,2-Dichloroethene	5.42	96	186983	24.173	ug/L	98
19) 1,1-Dichloroethane	6.21	63	364312	25.371	ug/L	98
21) 2-Butanone	7.17	43	147412	52.715	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	217086	25.952	ug/L	98

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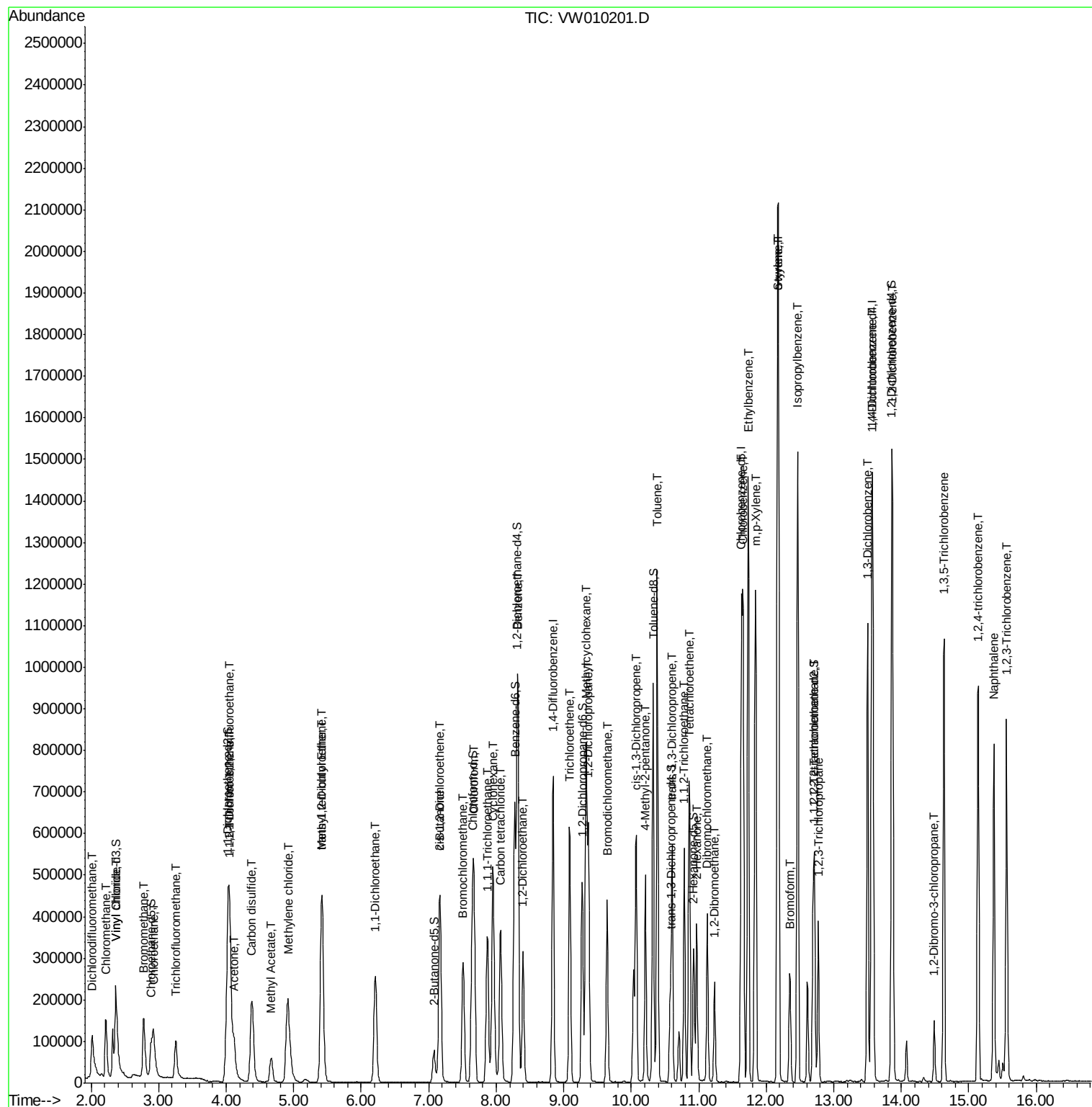
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	103755	26.978	ug/L	98
25) Chloroform	7.67	83	385551	26.205	ug/L	99
27) 1,2-Dichloroethane	8.40	62	286705	27.534	ug/L	98
30) Cyclohexane	7.95	56	297434	22.524	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	292225	23.983	ug/L	99
32) Carbon tetrachloride	8.07	117	281701	23.293	ug/L	99
34) Benzene	8.32	78	809899	24.749	ug/L	100
35) Trichloroethene	9.09	95	208126	23.852	ug/L	99
36) Methylcyclohexane	9.34	83	325793	22.436	ug/L	99
40) 1,2-Dichloropropane	9.37	63	218723	25.756	ug/L	99
41) Bromodichloromethane	9.64	83	290276	26.000	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	334493	25.321	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	326896	54.618	ug/L	100
44) Toluene	10.38	91	883163	25.216	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	295641	25.725	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	168114	26.487	ug/L	99
47) Tetrachloroethene	10.86	164	168863	23.321	ug/L	96
49) 2-Hexanone	10.97	43	232811	54.413	ug/L	99
50) Dibromochloromethane	11.13	129	208197	26.416	ug/L	94
51) 1,2-Dibromoethane	11.23	107	162721	26.188	ug/L	96
52) Chlorobenzene	11.66	112	579177	25.244	ug/L	98
53) Ethylbenzene	11.73	91	990424	24.976	ug/L	97
54) m,p-Xylene	11.84	106	375954	25.192	ug/L	99
55) o-xylene	12.16	106	366997	26.015	ug/L	98
56) Styrene	12.18	104	651468	26.665	ug/L	99
57) Isopropylbenzene	12.46	105	958183	24.960	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	210929	26.685	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	153616	26.070	ug/L	97
62) Bromoform	12.35	173	124404	26.114	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	449298	25.093	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	462811	24.586	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	428953	25.434	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	36390	25.986	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	336186	24.403	ug/L	100
68) 1,2,4-trichlorobenzene	15.14	180	290875	26.074	ug/L	100
69) Naphthalene	15.37	128	644066	28.193	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	283200	26.862	ug/L	99

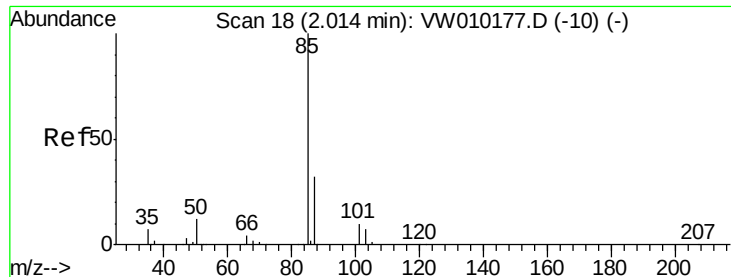
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.631 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW010201.D

Acq: 30 Apr 2019 02:03

Instrument :

MSVOA_W

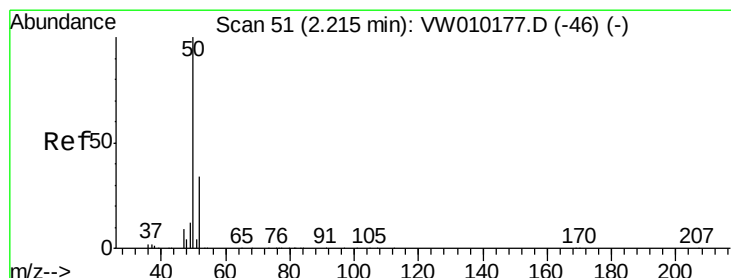
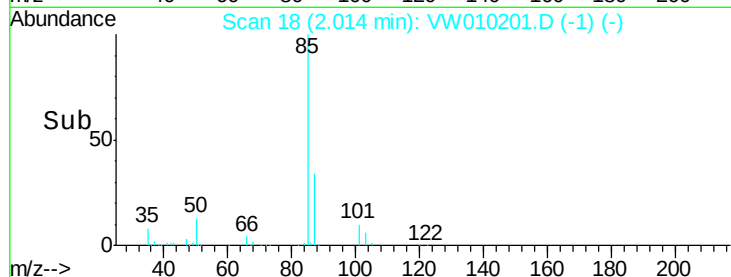
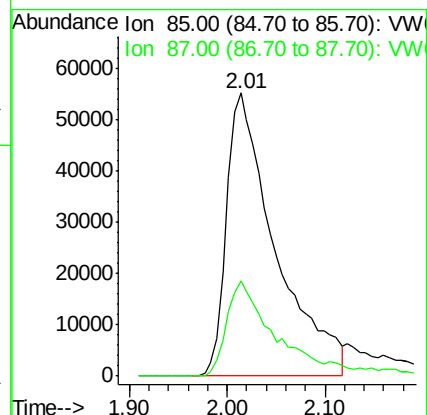
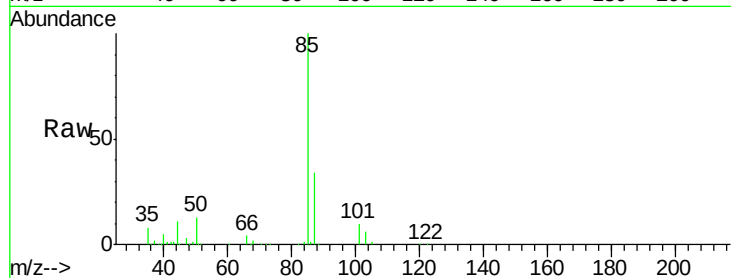
ClientSampled :

Tot Ion: 85 Resp: 191713

Ion Ratio Lower Upper

85 100

87 31.3 20.6 38.2



#3

Chloromethane

Concen: 23.873 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW010201.D

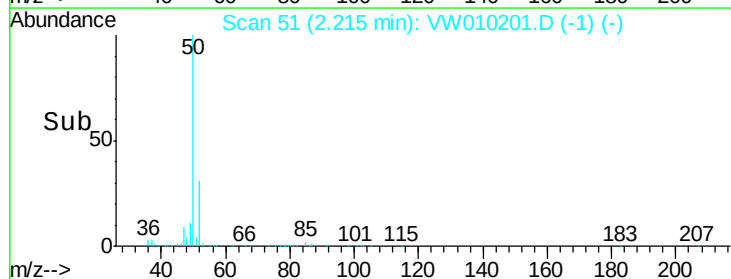
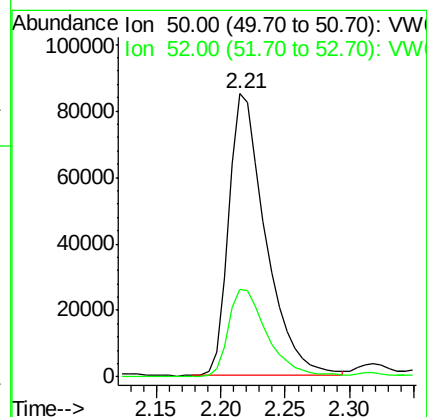
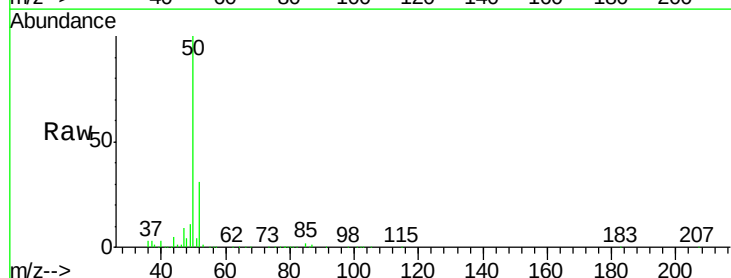
Acq: 30 Apr 2019 02:03

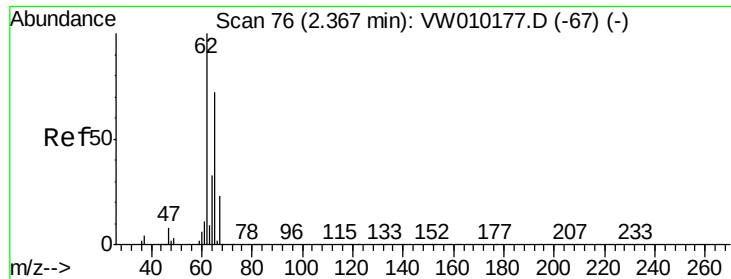
Tgt Ion: 50 Resp: 170201

Ion Ratio Lower Upper

50 100

52 30.8 23.6 43.8





#5

Vinyl chloride

Concen: 23.150 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW010201.D

Acq: 30 Apr 2019 02:03

Instrument :

MSVOA_W

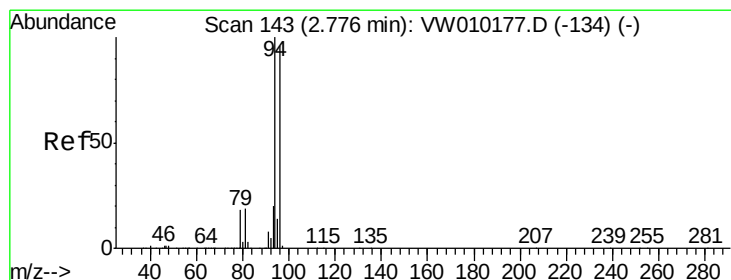
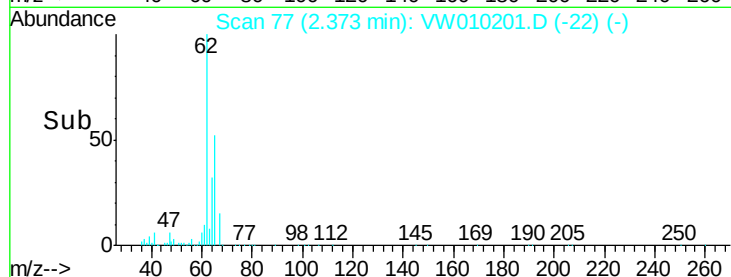
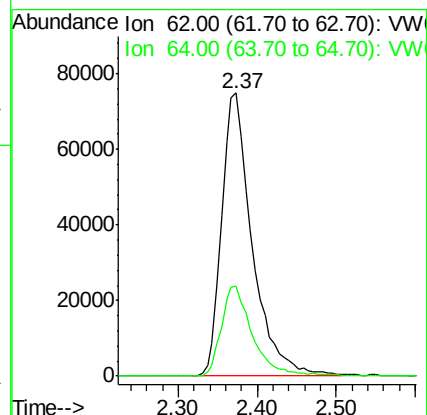
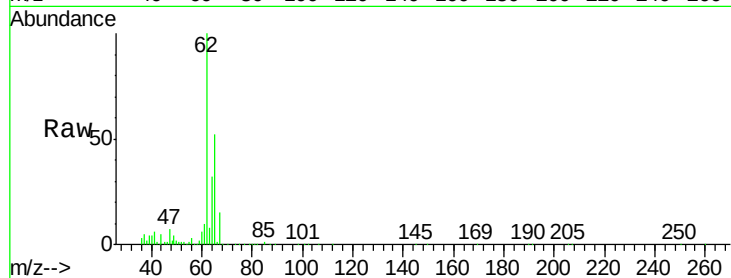
ClientSampleId :

Tot Ion: 62 Resp: 202505

Ion Ratio Lower Upper

62 100

64 31.8 23.3 43.3



#6

Bromomethane

Concen: 24.921 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW010201.D

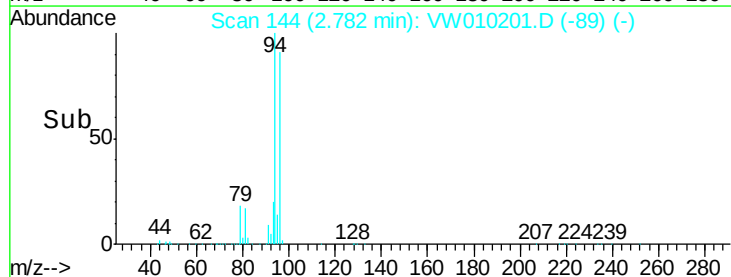
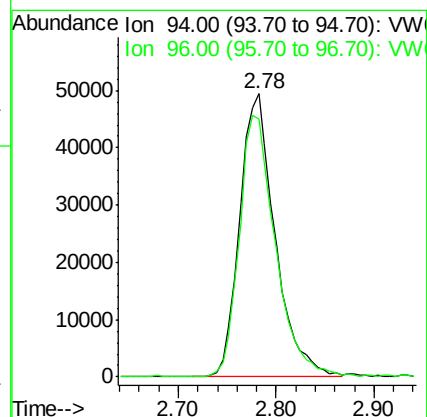
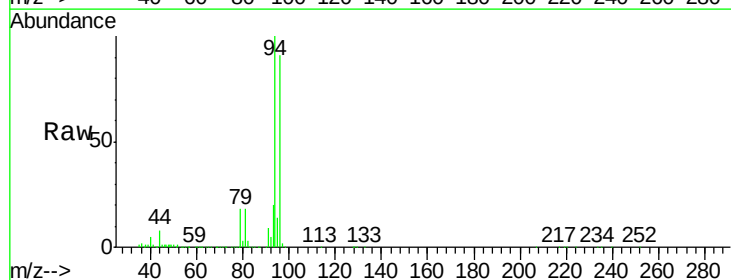
Acq: 30 Apr 2019 02:03

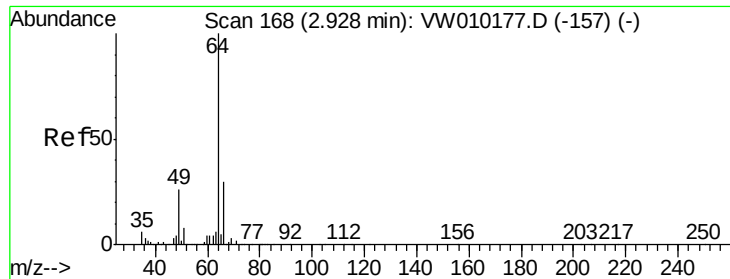
Tgt Ion: 94 Resp: 124500

Ion Ratio Lower Upper

94 100

96 93.8 9.5 180.3





#8

Chloroethane

Concen: 24.598 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW010201.D

Acq: 30 Apr 2019 02:03

Instrument :

MSVOA_W

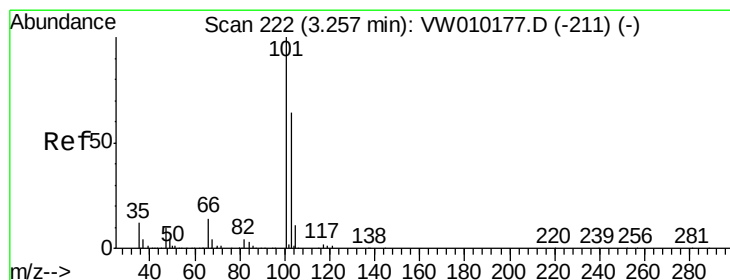
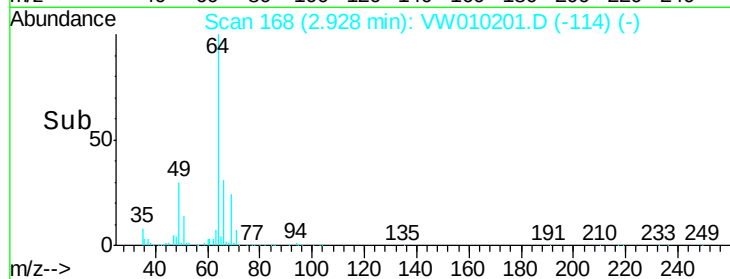
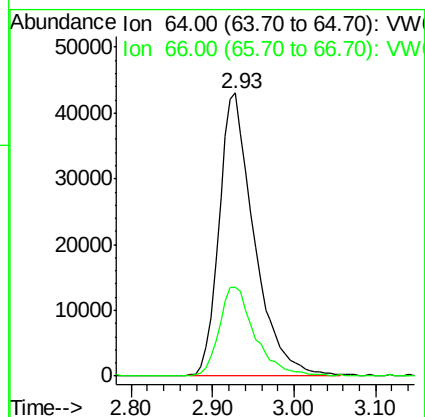
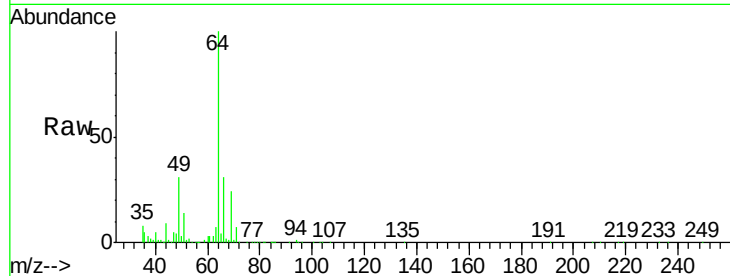
ClientSampleId :

Tot Ion: 64 Resp: 128284

Ion Ratio Lower Upper

64 100

66 31.2 21.3 39.5



#9

Trichlorofluoromethane

Concen: 20.926 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW010201.D

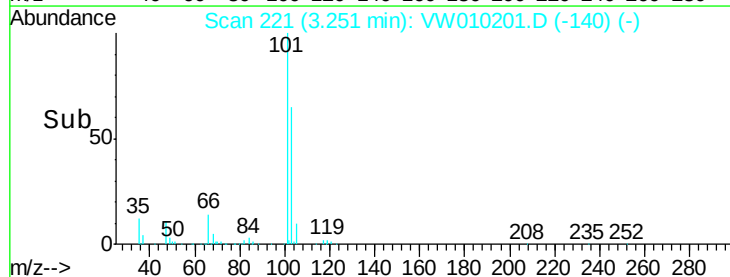
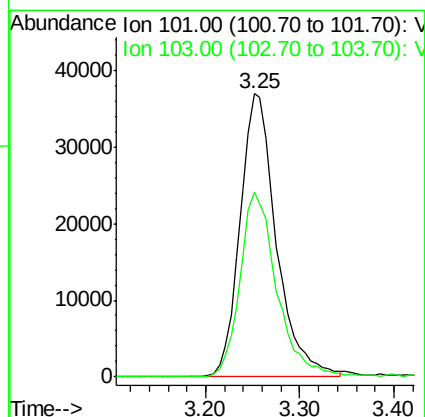
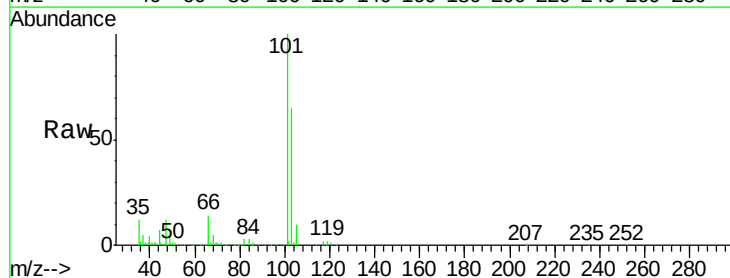
Acq: 30 Apr 2019 02:03

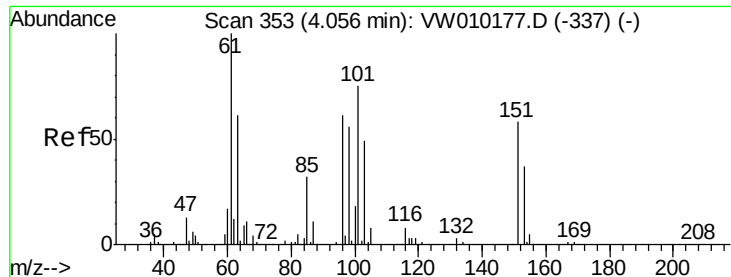
Tgt Ion: 101 Resp: 99557

Ion Ratio Lower Upper

101 100

103 65.7 45.5 84.5





#11

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

Concen: 22.501 ug/L

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW010201.D

Acq: 30 Apr 2019 02:03

Instrument :

MSVOA_W

ClientSampled :

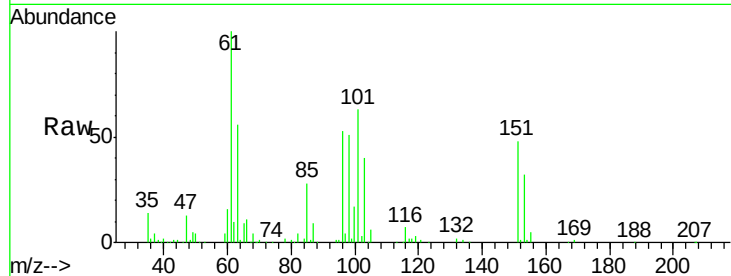
Tot Ion:101 Resp: 163651

Ion Ratio Lower Upper

101 100

85 41.9 33.8 50.6

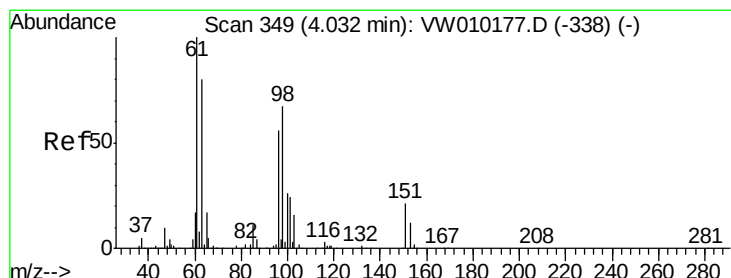
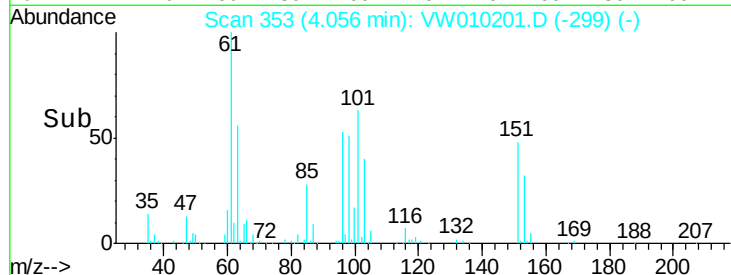
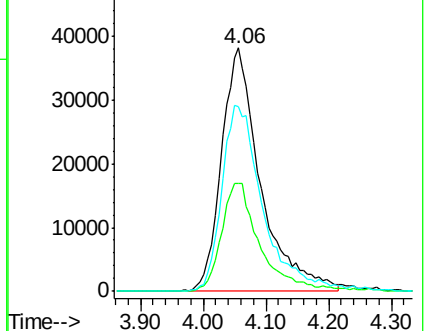
151 73.5 62.6 93.8



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: 23.182 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW010201.D

Acq: 30 Apr 2019 02:03

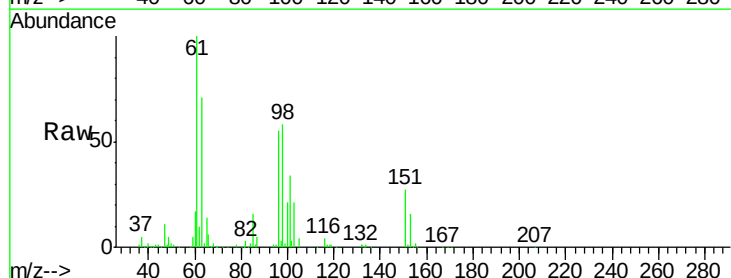
Tgt Ion: 96 Resp: 169732

Ion Ratio Lower Upper

96 100

61 183.0 125.2 232.6

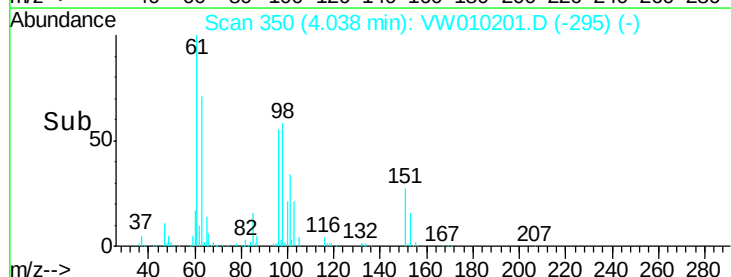
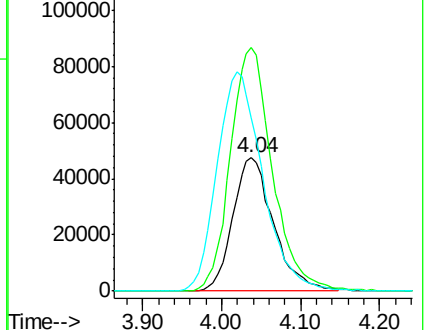
63 130.2 106.3 197.3

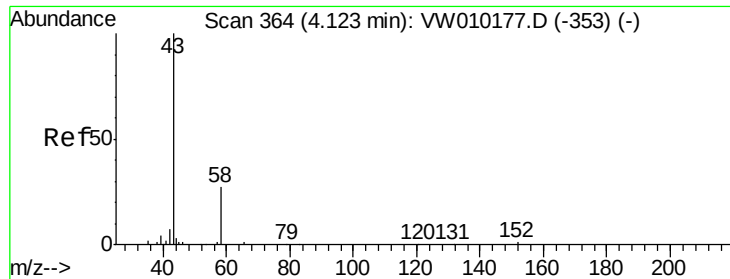


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 45.276 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW010201.D

Acq: 30 Apr 2019 02:03

Instrument :

MSVOA_W

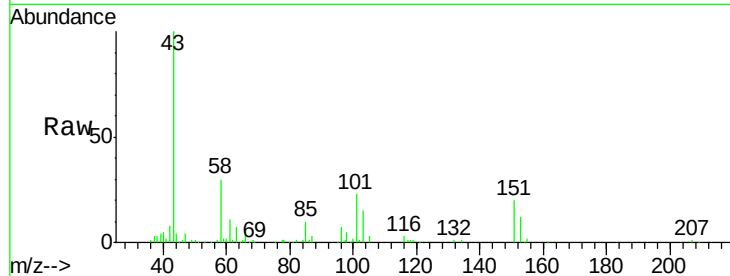
ClientSampleId :

Tot Ion: 43 Resp: 90282

Ion Ratio Lower Upper

43 100

58 31.0 0.0 59.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

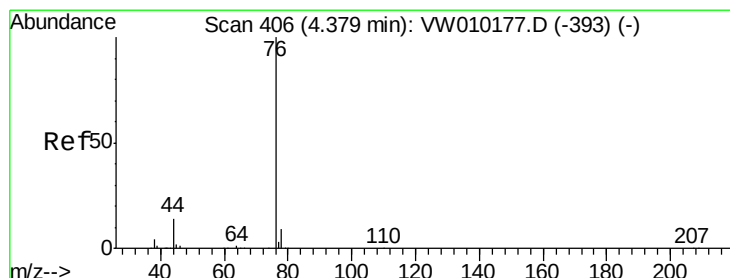
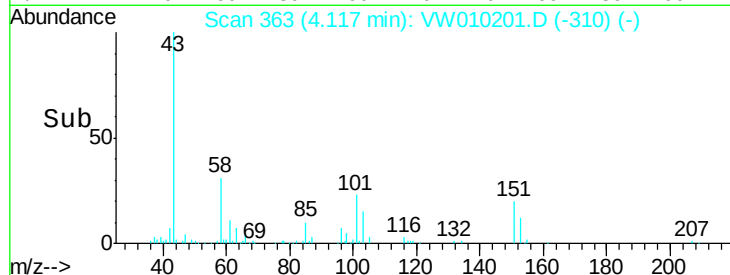
30000

20000

10000

0

Time--> 4.00 4.10 4.20



#14

Carbon disulfide

Concen: 23.352 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW010201.D

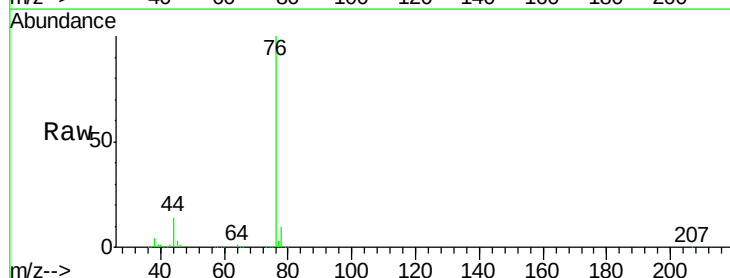
Acq: 30 Apr 2019 02:03

Tgt Ion: 76 Resp: 492627

Ion Ratio Lower Upper

76 100

78 9.5 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.38

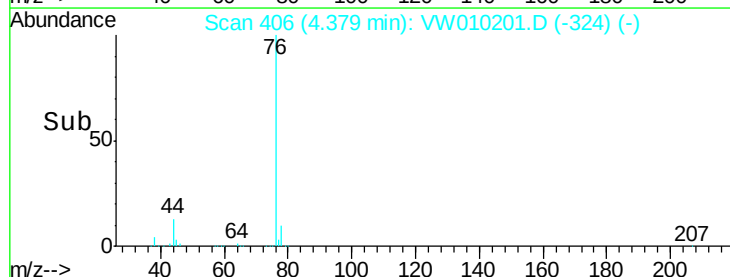
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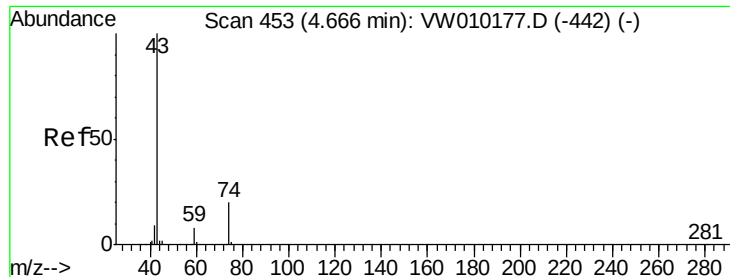
100000

50000

0

Time--> 4.30 4.40 4.50

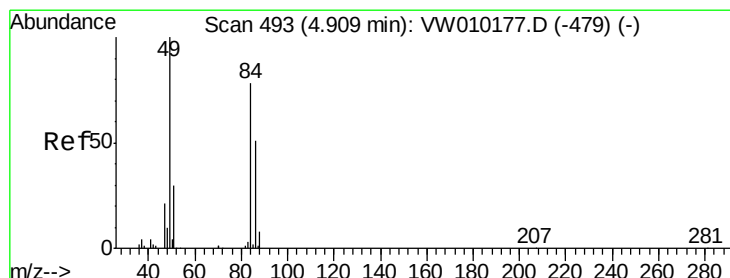
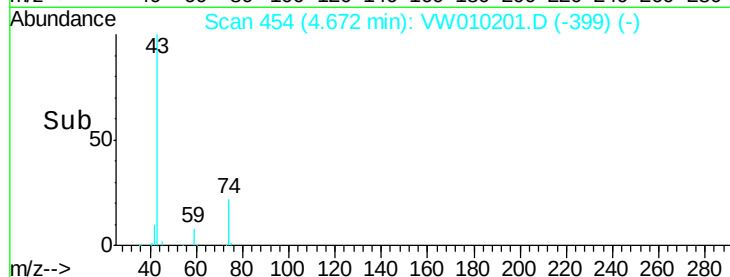
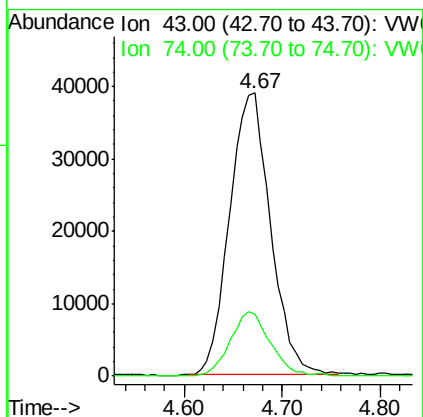
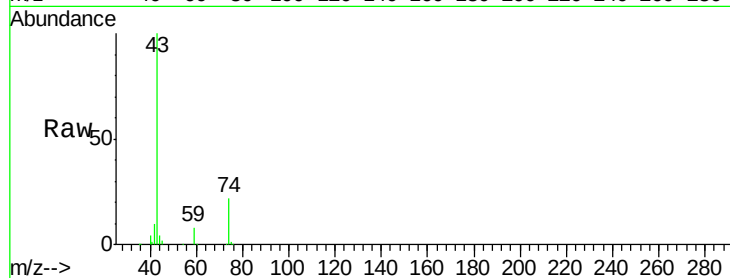




#15
Methvl Acetate
Concen: 26.107 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW010201.D
Acq: 30 Apr 2019 02:03

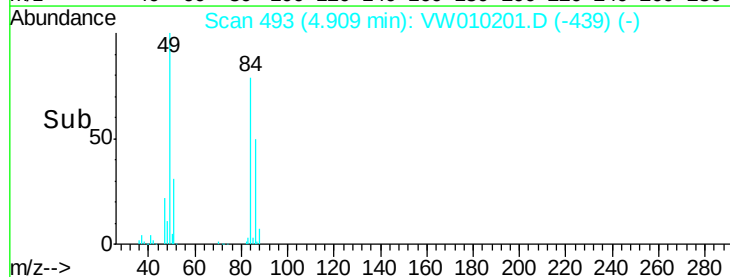
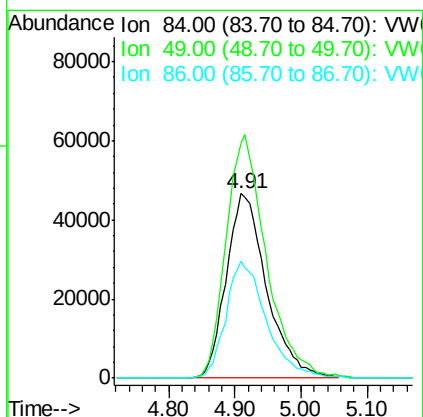
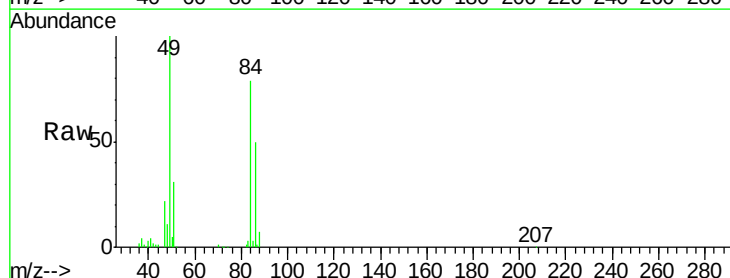
Instrument :
MSVOA_W
ClientSampled :

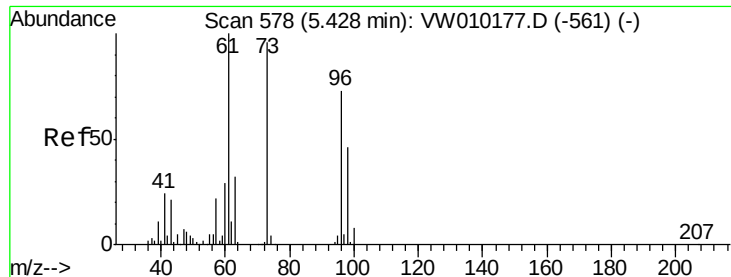
Tot Ion: 43 Resp: 113026
Ion Ratio Lower Upper
43 100
74 22.3 17.5 26.3



#16
Methylene chloride
Concen: 19.702 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW010201.D
Acq: 30 Apr 2019 02:03

Tgt Ion: 84 Resp: 197706
Ion Ratio Lower Upper
84 100
49 127.0 90.2 167.6
86 63.6 46.3 86.1

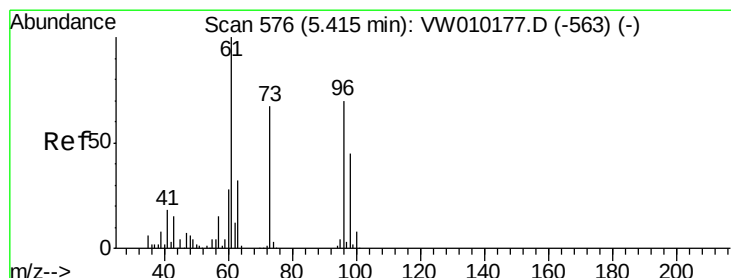
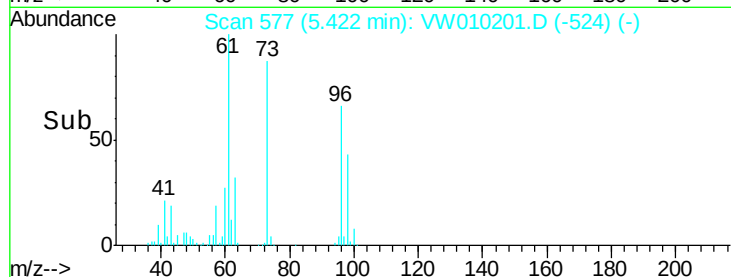
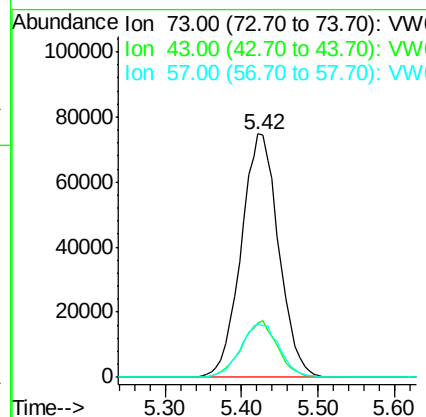
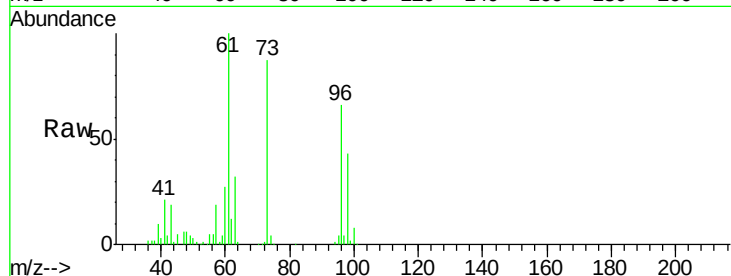




#17
Methyl tert-butyl Ether
Concen: 26.764 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW010201.D
Acq: 30 Apr 2019 02:03

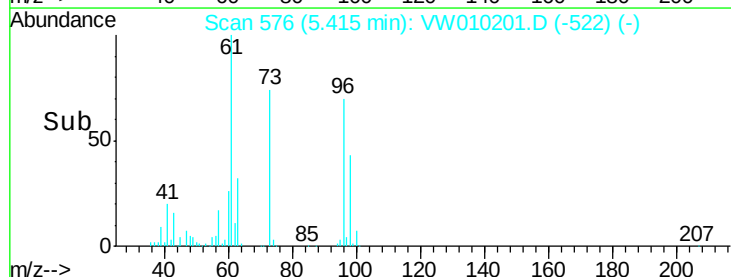
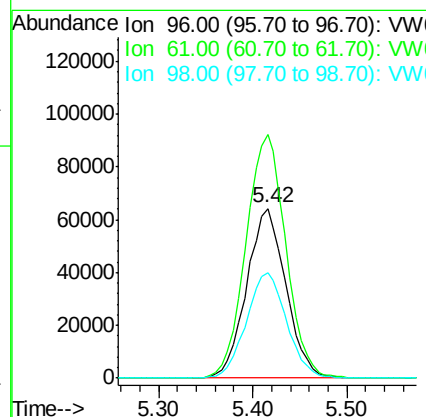
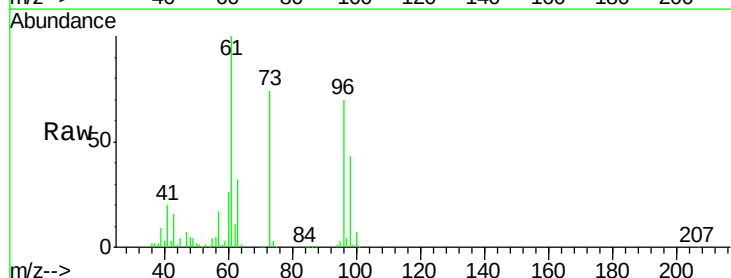
Instrument :
MSVOA_W
ClientSampled :

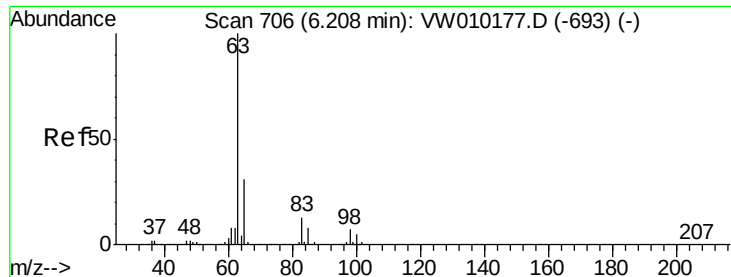
Tot Ion: 73 Resp: 254737
Ion Ratio Lower Upper
73 100
43 22.2 17.5 26.3
57 13.8 17.8 26.6#



#18
trans-1,2-Dichloroethene
Concen: 24.173 ug/L
RT: 5.42 min Scan# 576
Delta R.T. 0.00 min
Lab File: VW010201.D
Acq: 30 Apr 2019 02:03

Tgt Ion: 96 Resp: 186983
Ion Ratio Lower Upper
96 100
61 143.7 99.4 184.6
98 62.3 44.8 83.2

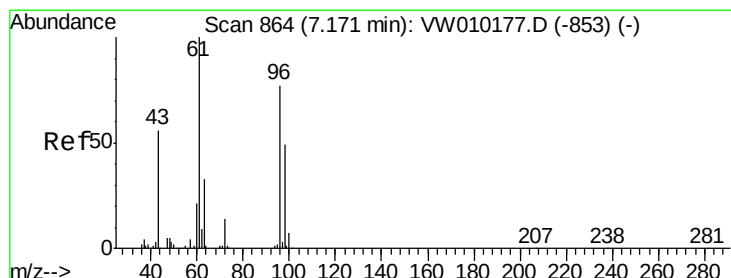
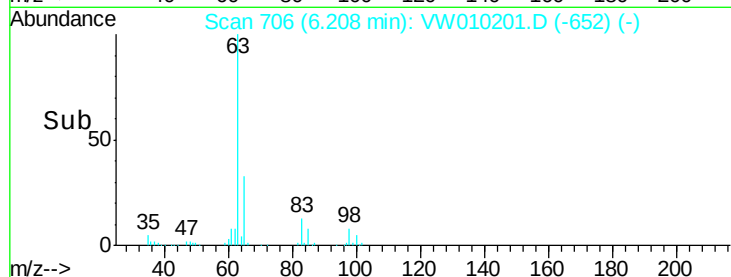
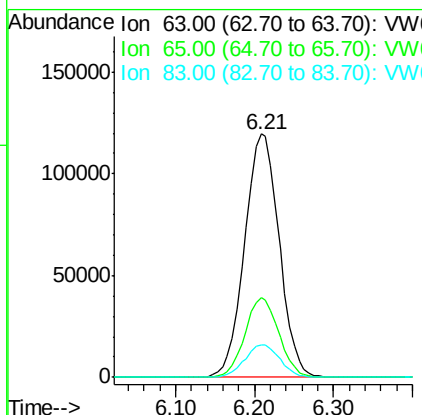
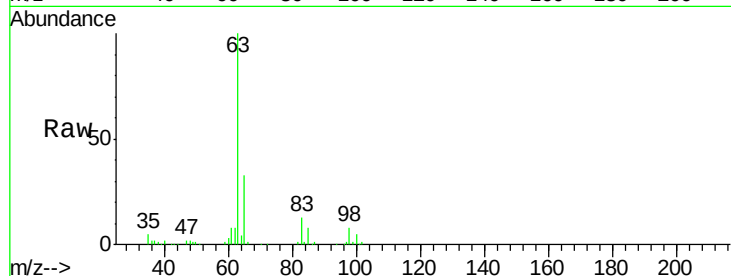




#19
 1,1-Dichloroethane
 Concen: 25.371 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VW010201.D
 Acq: 30 Apr 2019 02:03

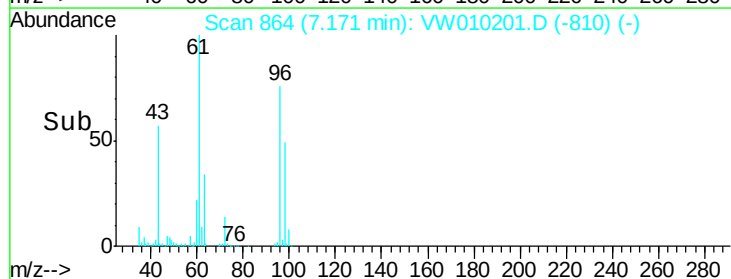
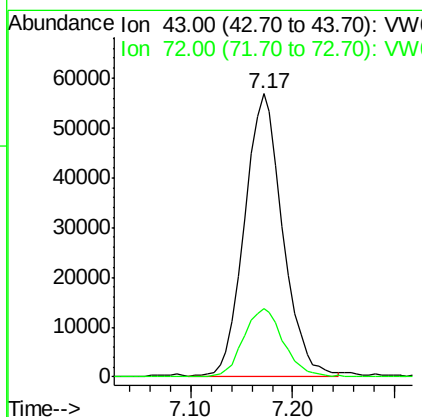
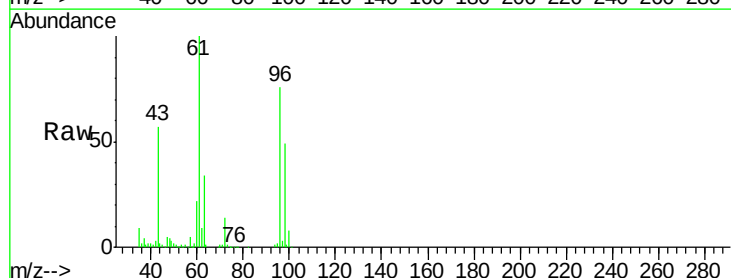
Instrument :
 MSVOA_W
 ClientSampled :

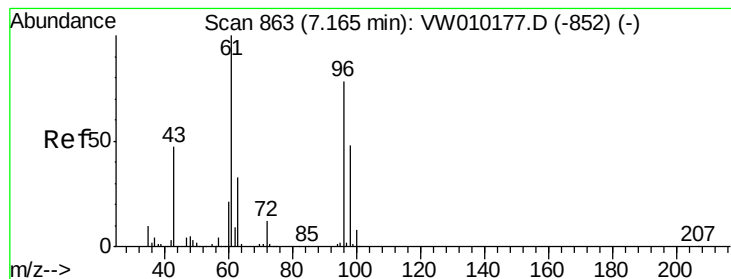
Tot Ion: 63 Resp: 364312
 Ion Ratio Lower Upper
 63 100
 65 32.8 22.0 40.8
 83 13.4 8.8 16.4



#21
 2-Butanone
 Concen: 52.715 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW010201.D
 Acq: 30 Apr 2019 02:03

Tgt Ion: 43 Resp: 147412
 Ion Ratio Lower Upper
 43 100
 72 25.6 12.8 38.3



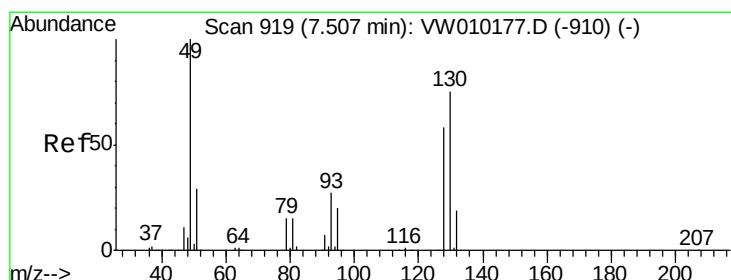
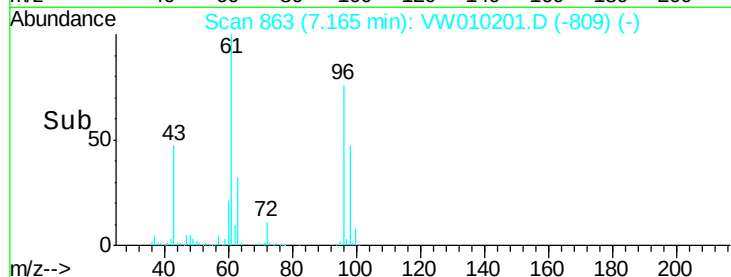
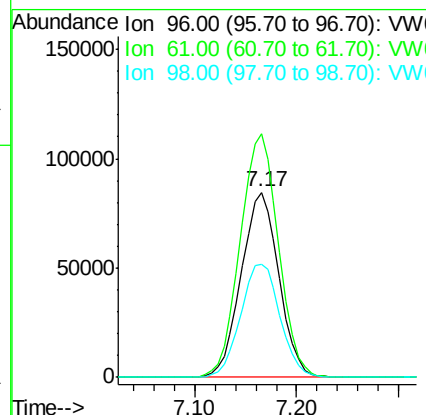
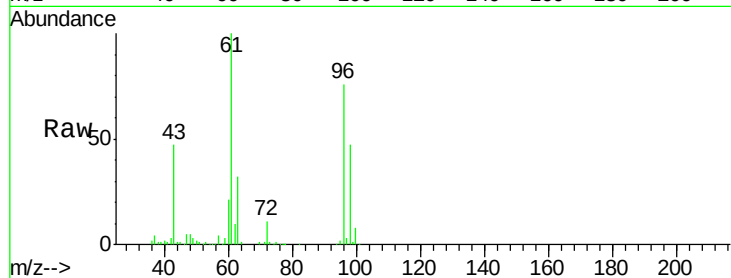


#22

cis-1,2-Dichloroethene
 Concen: 25.952 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW010201.D
 Acq: 30 Apr 2019 02:03

Instrument :
 MSVOA_W
 ClientSampled :

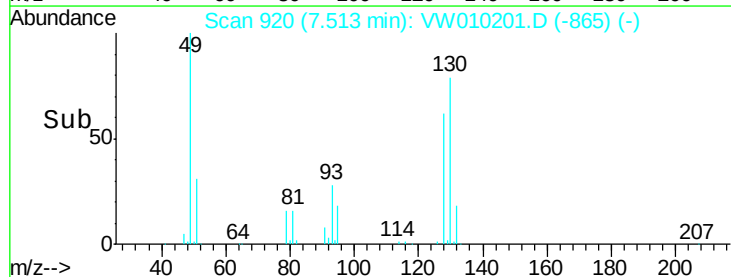
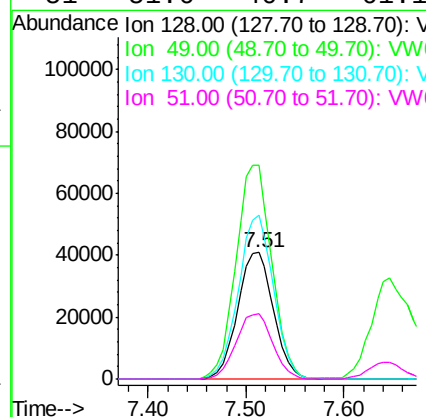
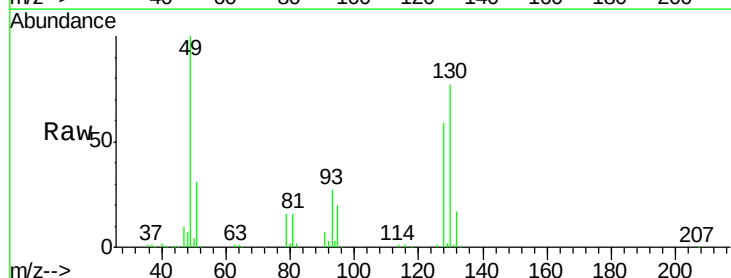
Tot Ion	96	Resp	217086
Ion	Ratio	Lower	Upper
96	100		
61	131.6	90.0	167.2
98	61.2	42.8	79.6

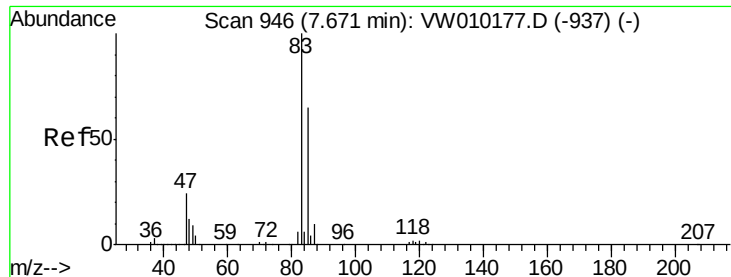


#23

Bromochloromethane
 Concen: 26.978 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW010201.D
 Acq: 30 Apr 2019 02:03

Tgt Ion	128	Resp	103755
Ion	Ratio	Lower	Upper
128	100		
49	168.8	121.7	225.9
130	129.2	91.1	169.1
51	51.6	40.7	61.1

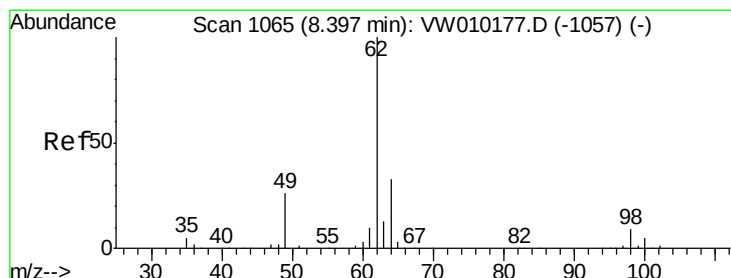
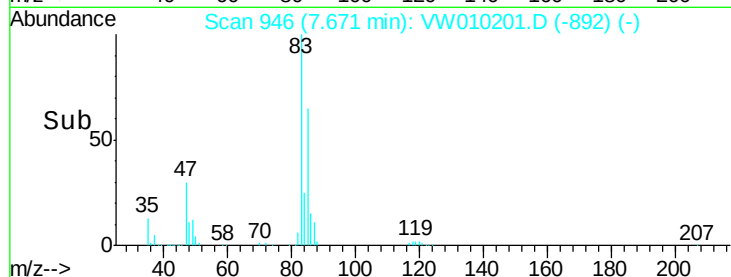
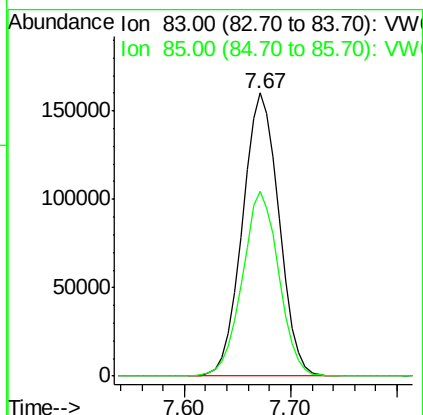
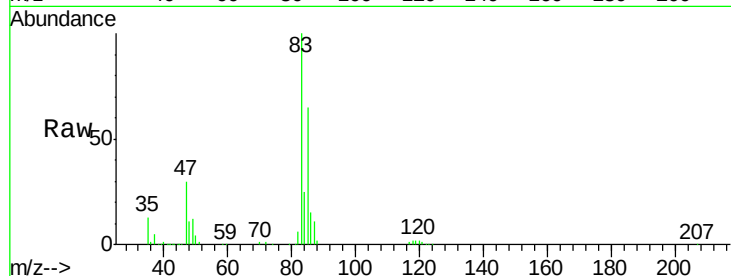




#25
Chloroform
Concen: 26.205 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW010201.D
Acq: 30 Apr 2019 02:03

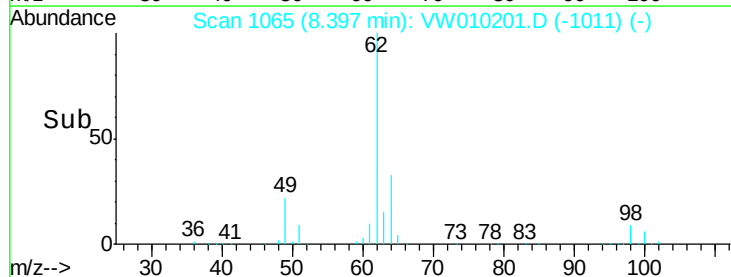
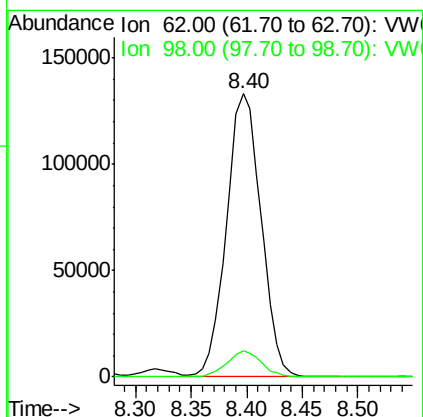
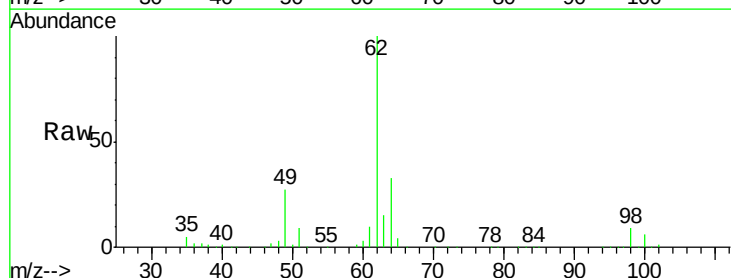
Instrument :
MSVOA_W
ClientSampled :

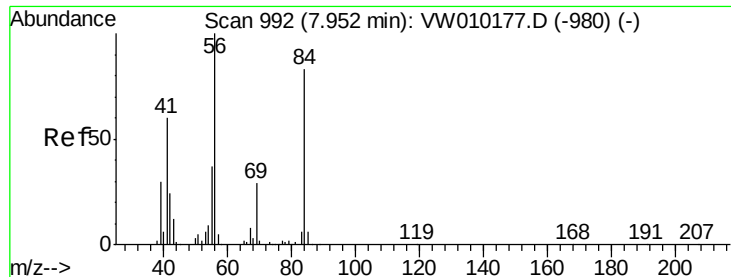
Tot Ion: 83 Resp: 385551
Ion Ratio Lower Upper
83 100
85 65.3 46.3 85.9



#27
1,2-Dichloroethane
Concen: 27.534 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW010201.D
Acq: 30 Apr 2019 02:03

Tgt Ion: 62 Resp: 286705
Ion Ratio Lower Upper
62 100
98 9.4 7.0 10.6

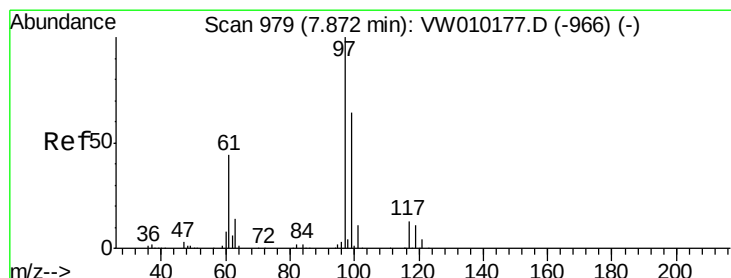
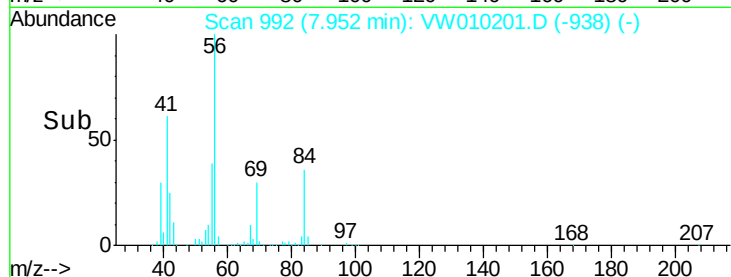
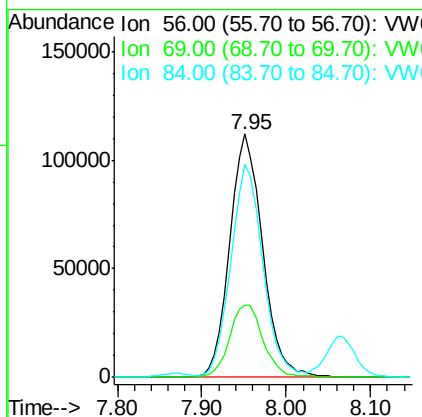
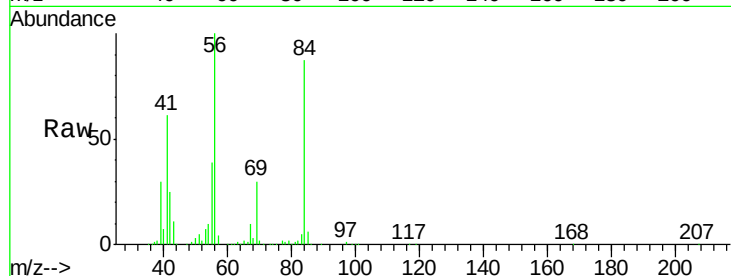




#30
Cyclohexane
Concen: 22.524 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW010201.D
Acq: 30 Apr 2019 02:03

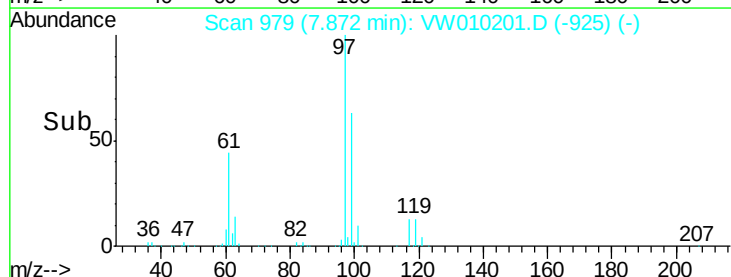
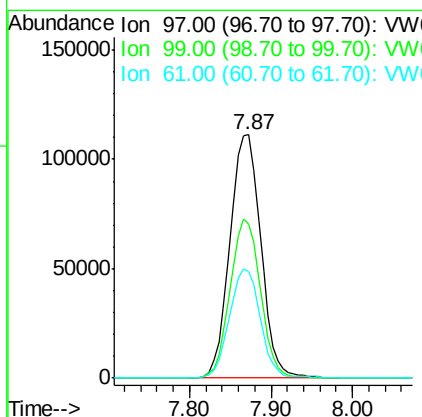
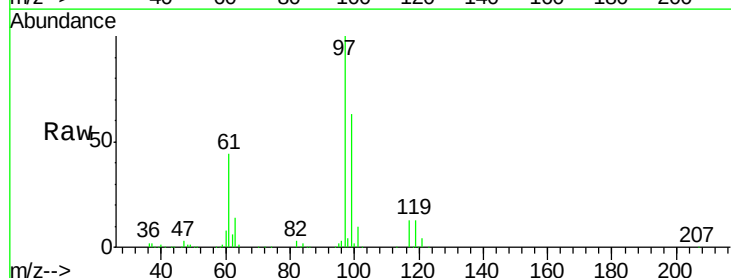
Instrument :
MSVOA_W
ClientSampled :

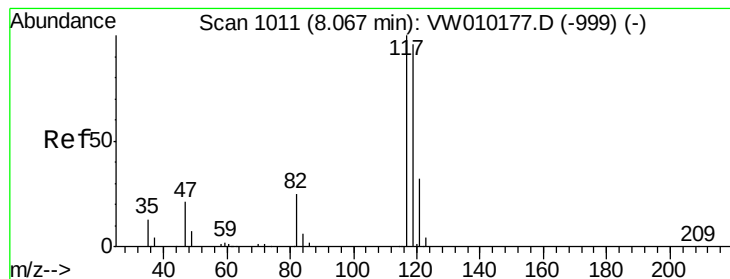
Tot Ion	Ratio	Lower	Upper
56	100		
69	30.4	23.4	35.2
84	85.5	67.0	100.6



#31
1,1,1-Trichloroethane
Concen: 23.983 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW010201.D
Acq: 30 Apr 2019 02:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.0	76.4
61	44.3	36.2	54.4





#32

Carbon tetrachloride

Concen: 23.293 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW010201.D

Acq: 30 Apr 2019 02:03

Instrument :

MSVOA_W

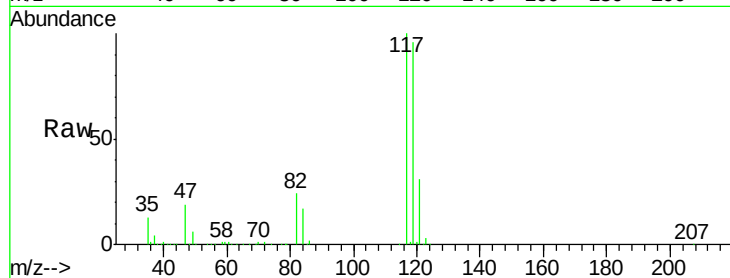
ClientSampled :

Tot Ion:117 Resp: 281701

Ion Ratio Lower Upper

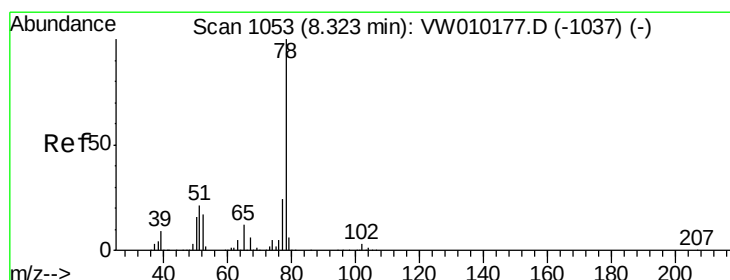
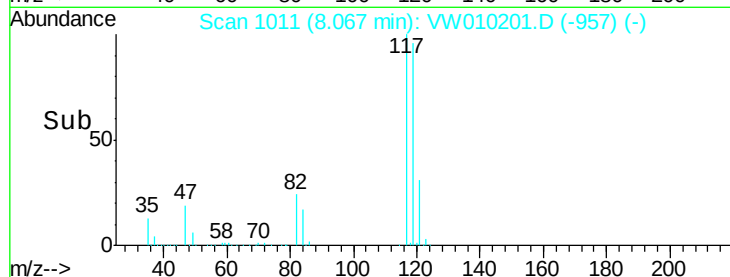
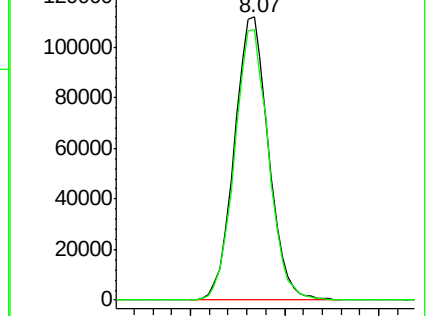
117 100

119 95.3 77.1 115.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.749 ug/L

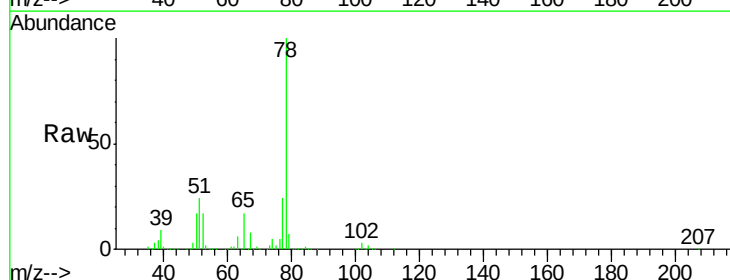
RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

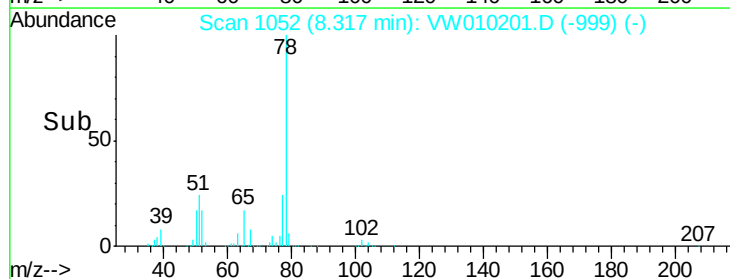
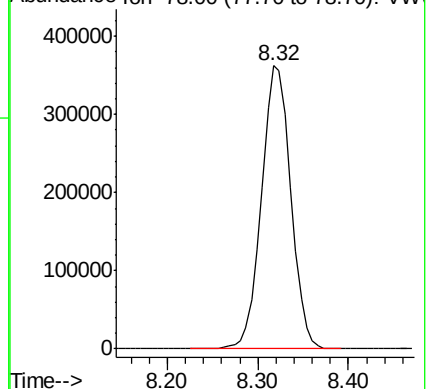
Lab File: VW010201.D

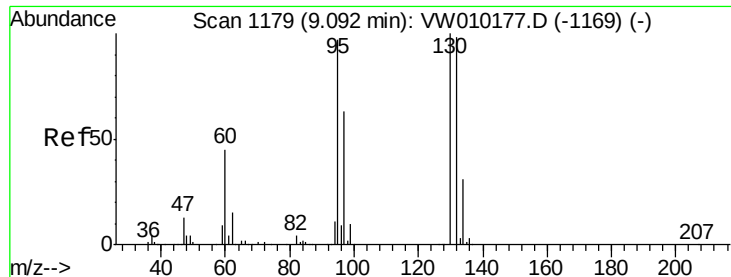
Acq: 30 Apr 2019 02:03

Tgt Ion: 78 Resp: 809899



Abundance Ion 78.00 (77.70 to 78.70): VW

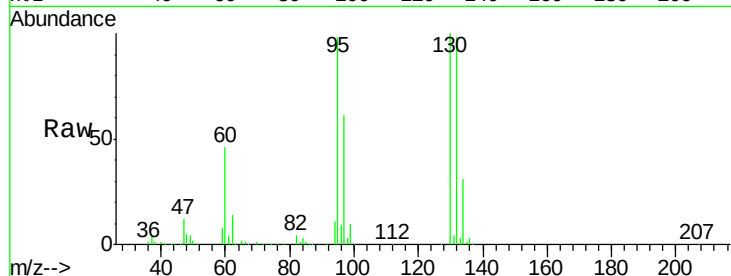




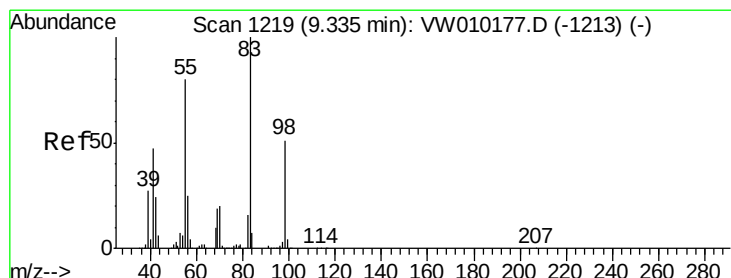
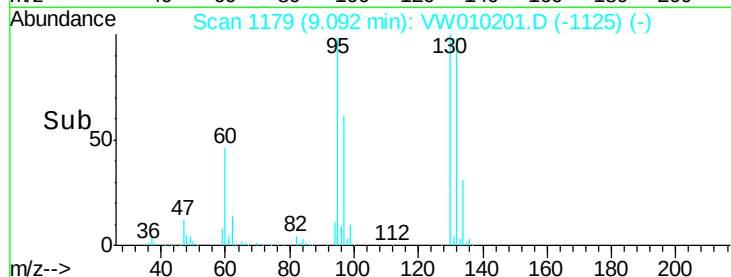
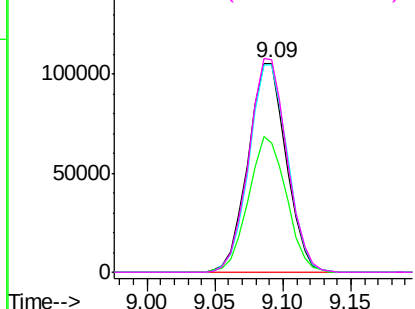
#35
 Trichloroethene
 Concen: 23.852 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW010201.D
 Acq: 30 Apr 2019 02:03

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	95	Resp:	208126
Ion	Ratio	Lower	Upper
95	100		
97	64.3	45.4	84.2
132	99.5	69.2	128.6
130	102.1	72.2	134.2

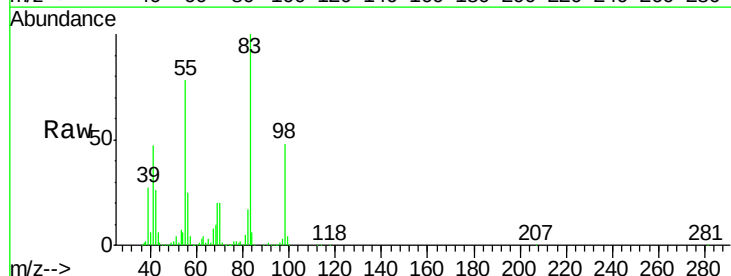


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

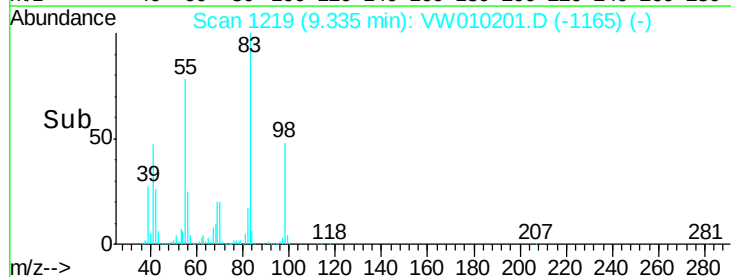
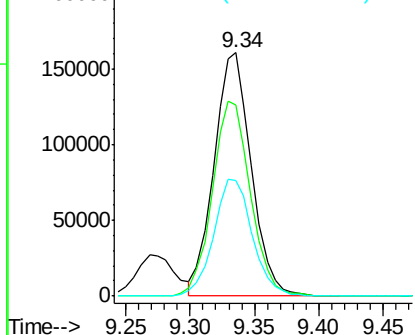


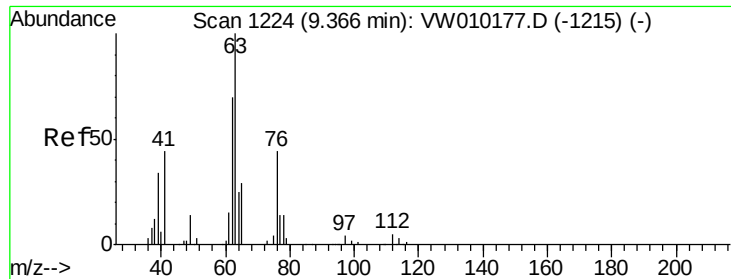
#36
 Methylcyclohexane
 Concen: 22.436 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW010201.D
 Acq: 30 Apr 2019 02:03

Tgt Ion:	83	Resp:	325793
Ion	Ratio	Lower	Upper
83	100		
55	81.8	64.5	96.7
98	50.0	39.4	59.2



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

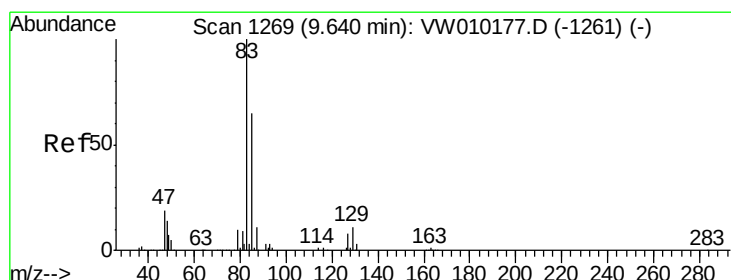
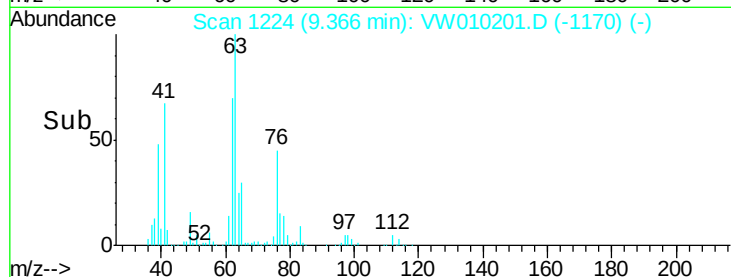
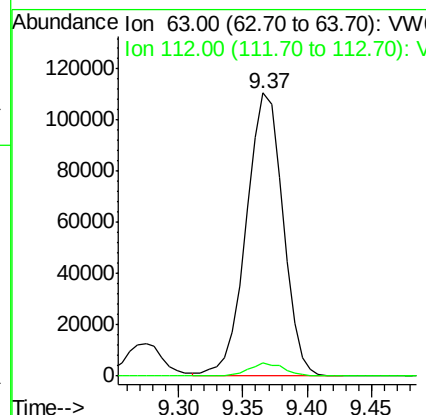
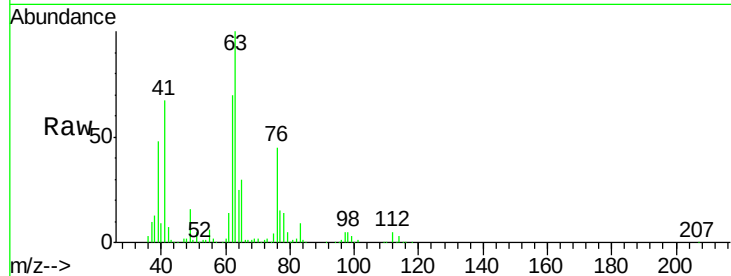




#40
 1,2-Dichloropropane
 Concen: 25.756 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW010201.D
 Acq: 30 Apr 2019 02:03

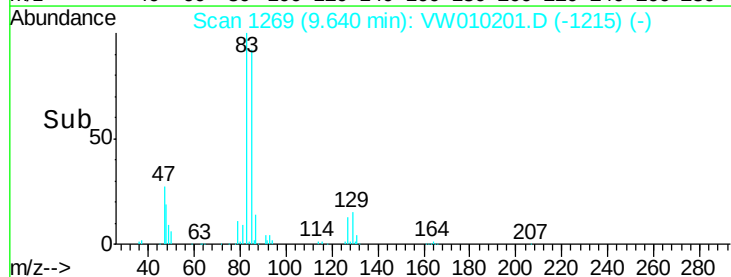
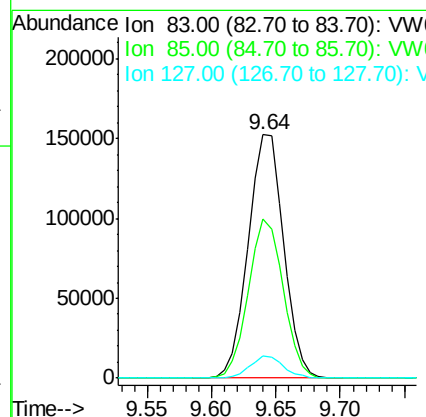
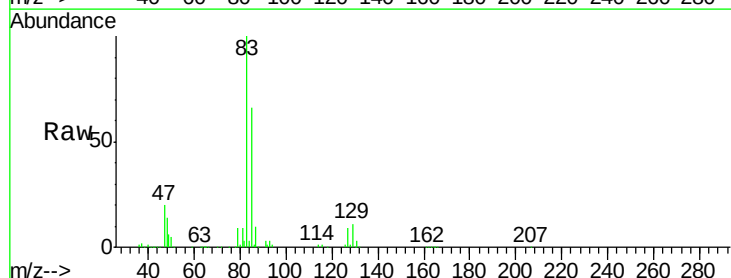
Instrument :
 MSVOA_W
 ClientSampleId :

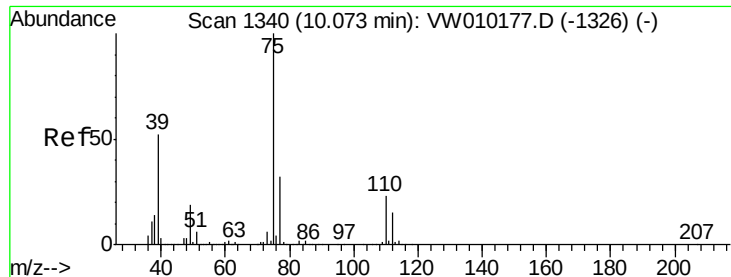
Tot Ion: 63 Resp: 218723
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.8 5.8



#41
 Bromodichloromethane
 Concen: 26.000 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW010201.D
 Acq: 30 Apr 2019 02:03

Tgt Ion: 83 Resp: 290276
 Ion Ratio Lower Upper
 83 100
 85 65.6 45.8 85.0
 127 9.0 6.6 10.0





#42

cis-1,3-Dichloropropene

Concen: 25.321 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010201.D

Acq: 30 Apr 2019 02:03

Instrument :

MSVOA_W

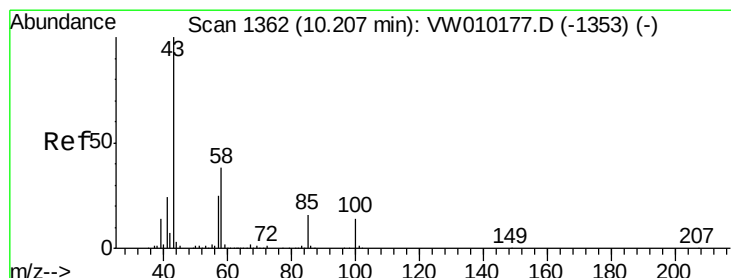
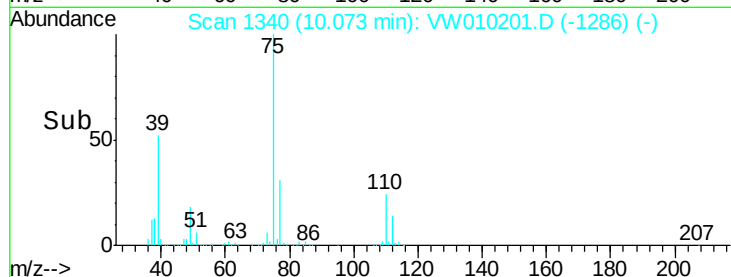
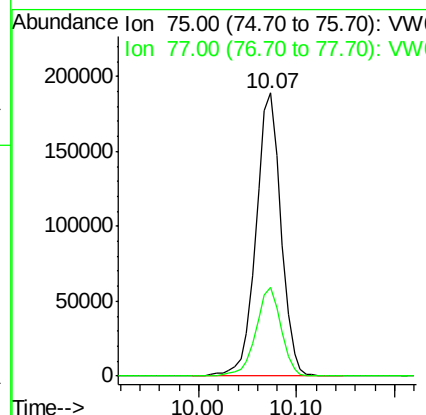
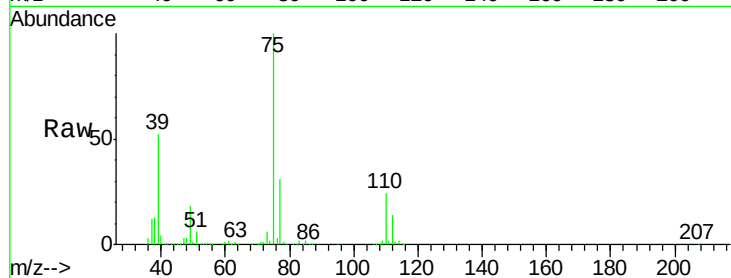
ClientSampleId :

Tot Ion: 75 Resp: 334493

Ion Ratio Lower Upper

75 100

77 31.3 22.1 41.1



#43

4-Methyl-2-pentanone

Concen: 54.618 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW010201.D

Acq: 30 Apr 2019 02:03

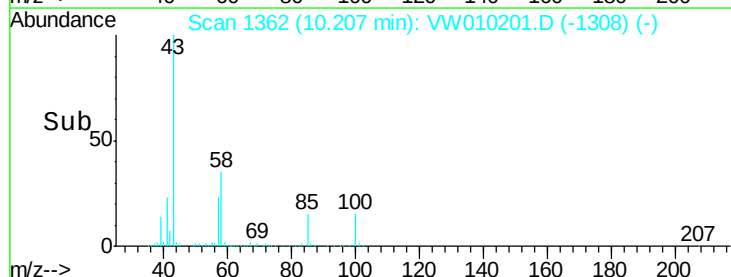
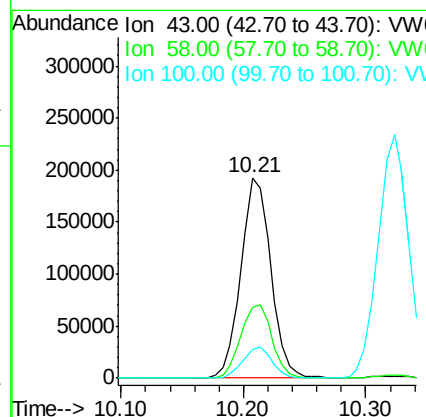
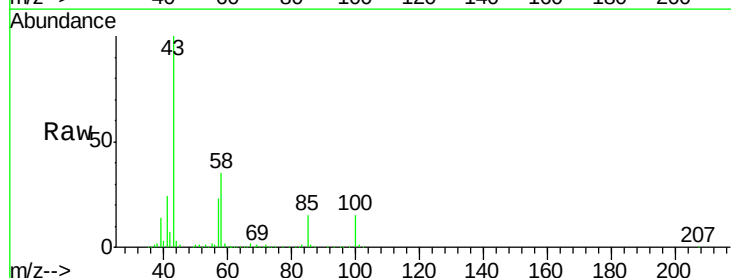
Tgt Ion: 43 Resp: 326896

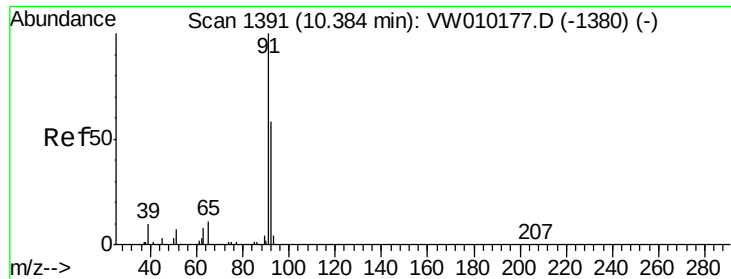
Ion Ratio Lower Upper

43 100

58 38.1 30.3 45.5

100 15.3 11.9 17.9





#44

Toluene

Concen: 25.216 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW010201.D

Acq: 30 Apr 2019 02:03

Instrument :

MSVOA_W

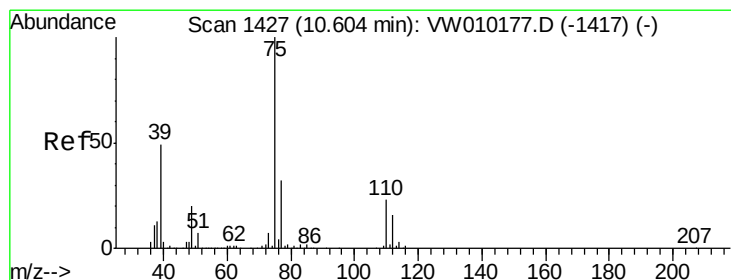
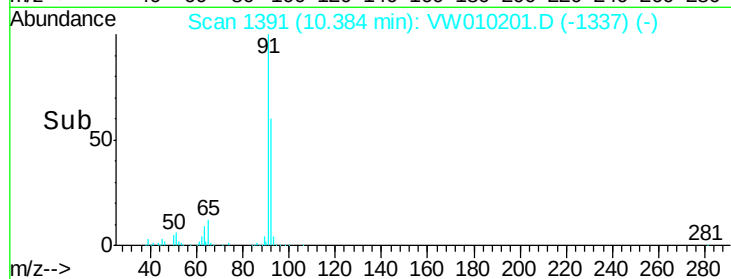
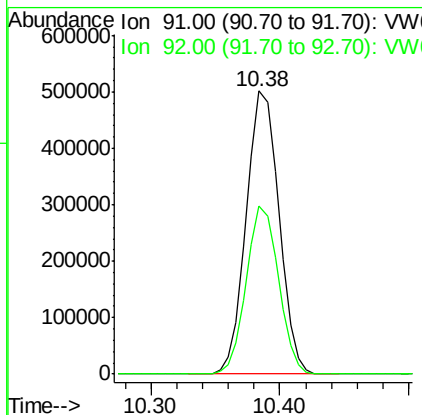
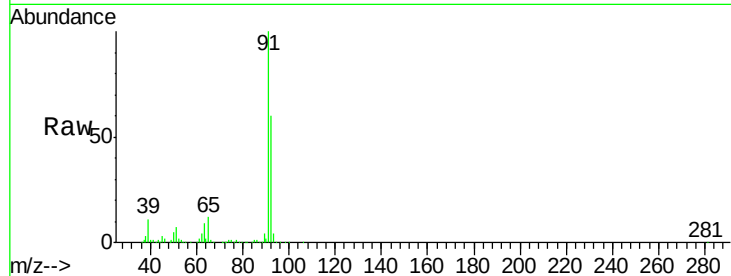
ClientSampled :

Tot Ion: 91 Resp: 883163

Ion Ratio Lower Upper

91 100

92 59.6 40.4 75.0



#45

trans-1,3-Dichloropropene

Concen: 25.725 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010201.D

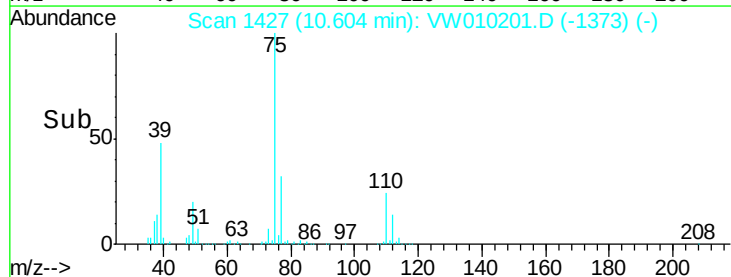
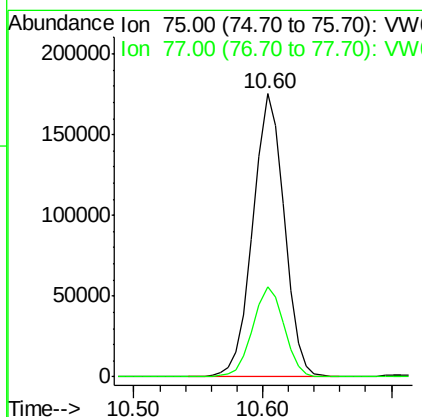
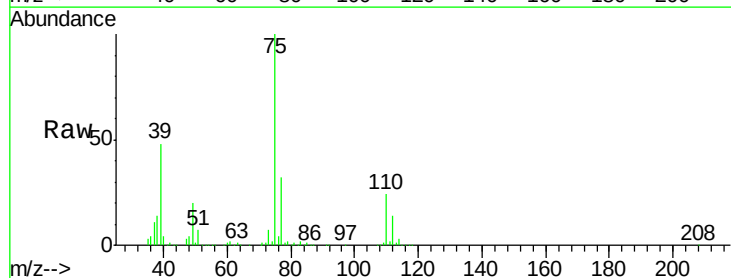
Acq: 30 Apr 2019 02:03

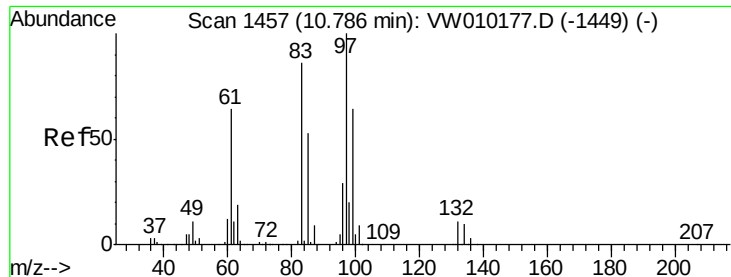
Tgt Ion: 75 Resp: 295641

Ion Ratio Lower Upper

75 100

77 31.8 22.4 41.6





#46

1,1,2-Trichloroethane

Concen: 26.487 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW010201.D

Acq: 30 Apr 2019 02:03

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 97 Resp: 168114

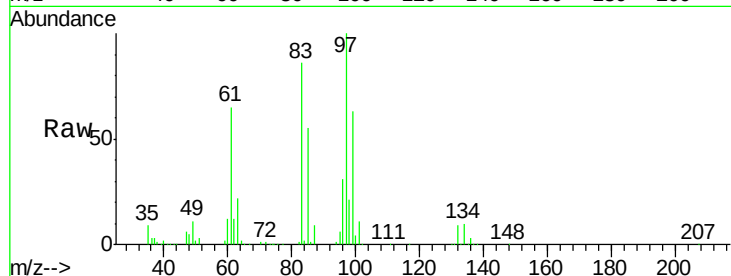
Ion	Ratio	Lower	Upper
97	100		
83	86.1	60.0	111.4
85	54.5	36.8	68.4
99	62.9	44.4	82.5

97 100

83 86.1 60.0 111.4

85 54.5 36.8 68.4

99 62.9 44.4 82.5



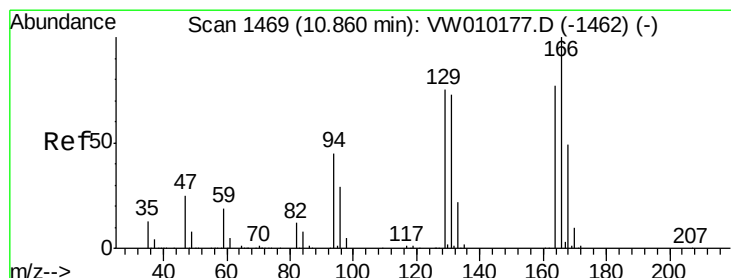
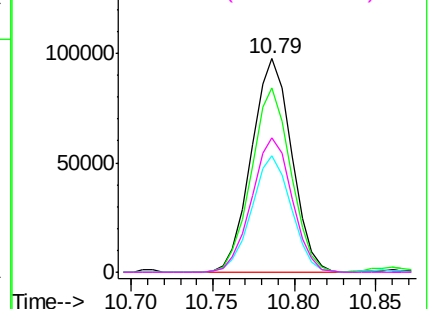
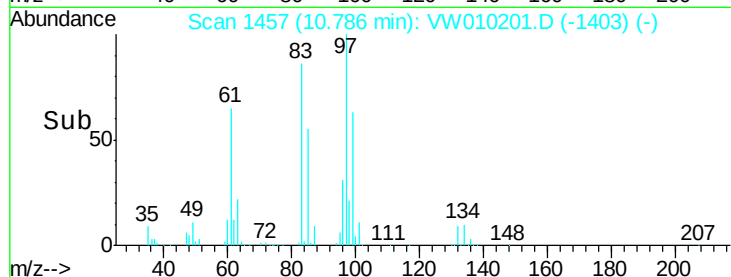
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 23.321 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW010201.D

Acq: 30 Apr 2019 02:03

Tgt Ion: 164 Resp: 168863

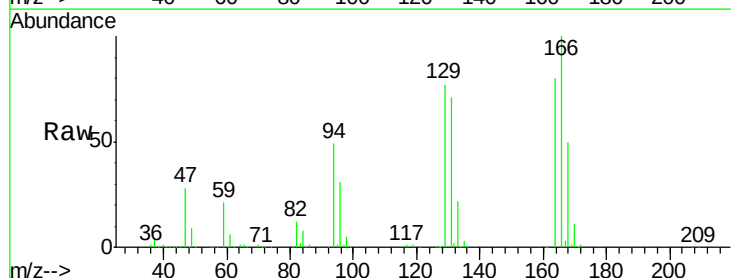
Ion	Ratio	Lower	Upper
164	100		
129	96.9	68.3	126.9
131	88.7	66.8	124.0
166	125.4	91.1	169.3

164 100

129 96.9 68.3 126.9

131 88.7 66.8 124.0

166 125.4 91.1 169.3



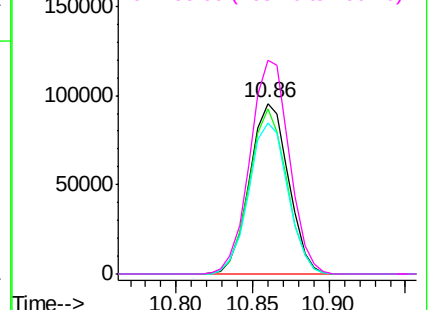
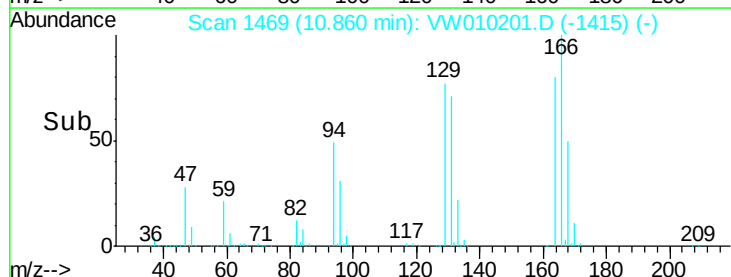
Abundance

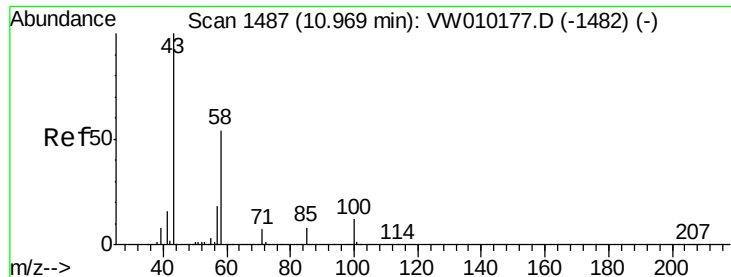
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 54.413 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW010201.D

Acq: 30 Apr 2019 02:03

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 232811

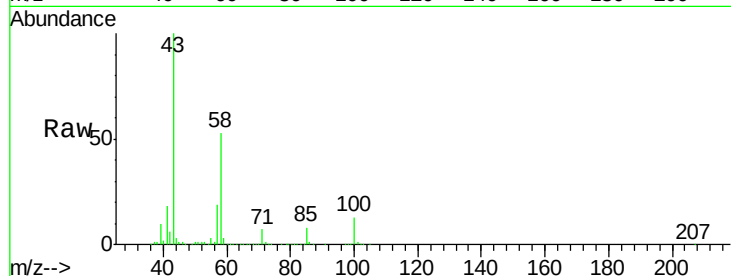
Ion Ratio Lower Upper

43 100

58 52.4 41.4 62.2

57 18.2 14.8 22.2

100 12.1 9.3 13.9

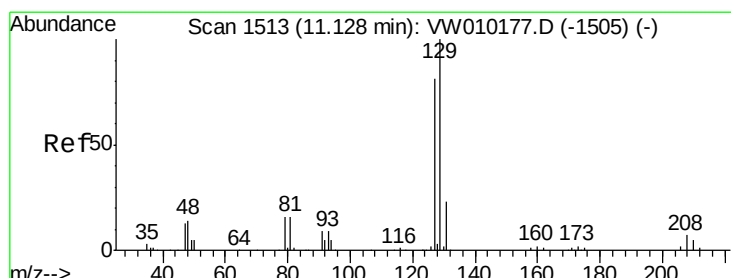
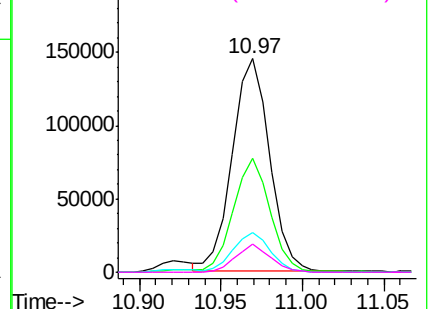
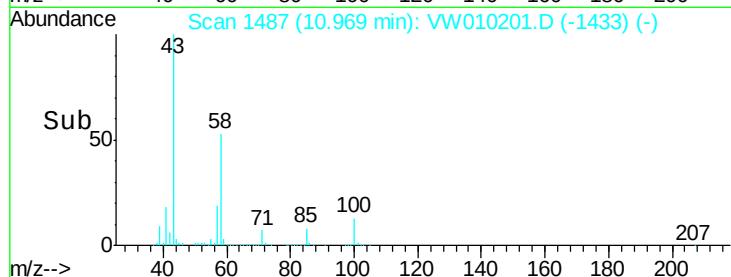


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 26.416 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW010201.D

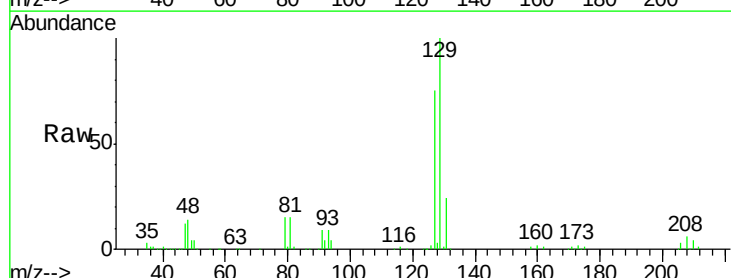
Acq: 30 Apr 2019 02:03

Tgt Ion: 129 Resp: 208197

Ion Ratio Lower Upper

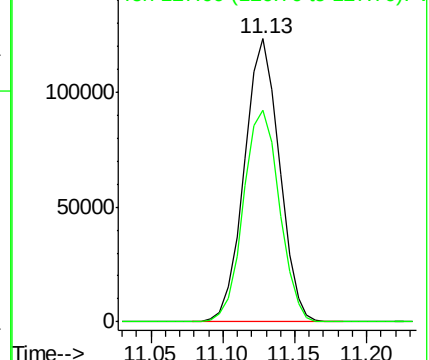
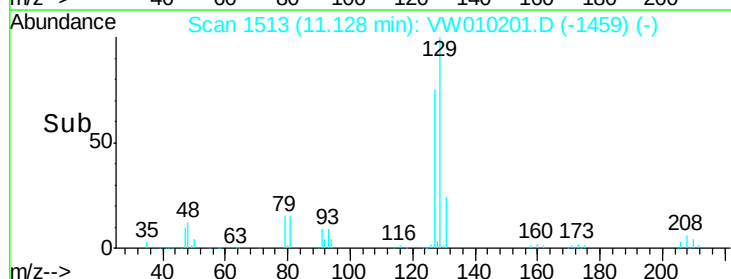
129 100

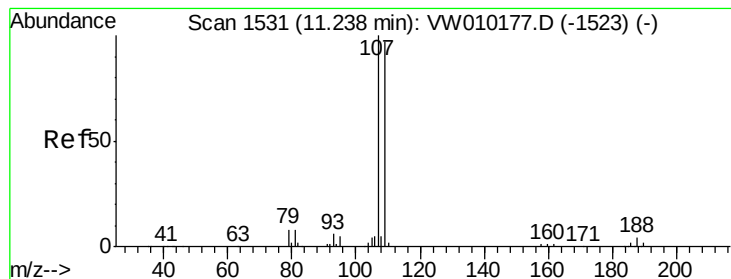
127 75.0 56.4 104.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 26.188 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW010201.D

Acq: 30 Apr 2019 02:03

Instrument :

MSVOA_W

ClientSampleId :

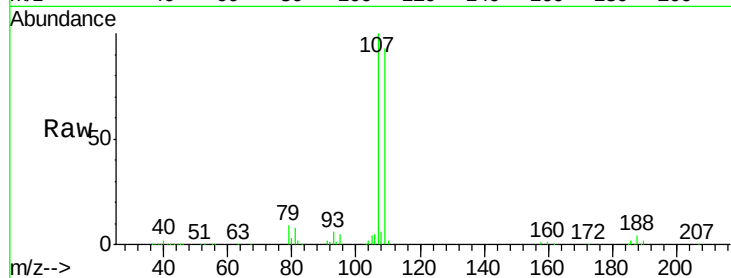
Tot Ion:107 Resp: 162721

Ion Ratio Lower Upper

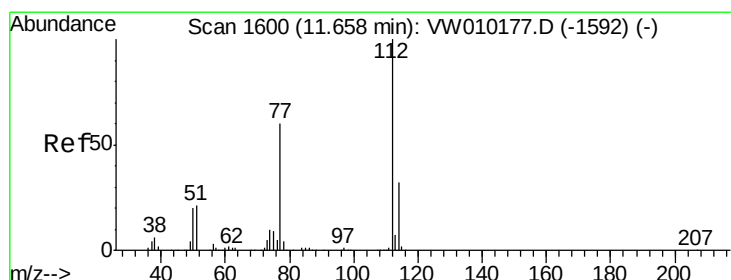
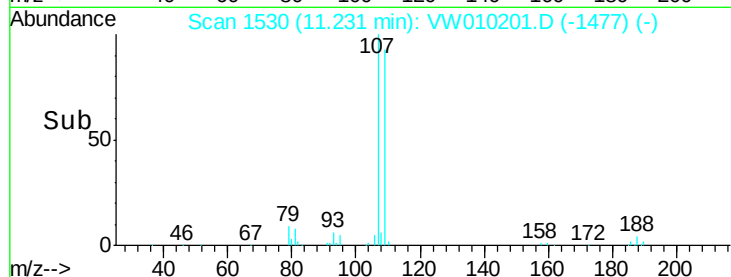
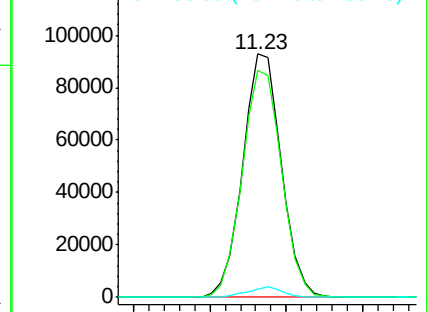
107 100

109 93.1 68.3 126.9

188 3.6 3.3 4.9



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



#52

Chlorobenzene

Concen: 25.244 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW010201.D

Acq: 30 Apr 2019 02:03

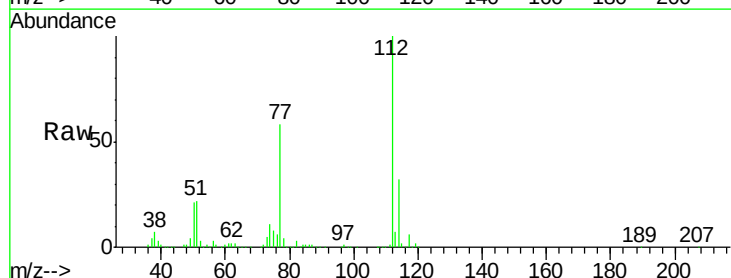
Tgt Ion:112 Resp: 579177

Ion Ratio Lower Upper

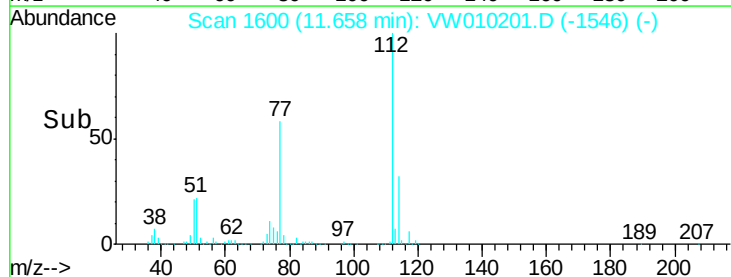
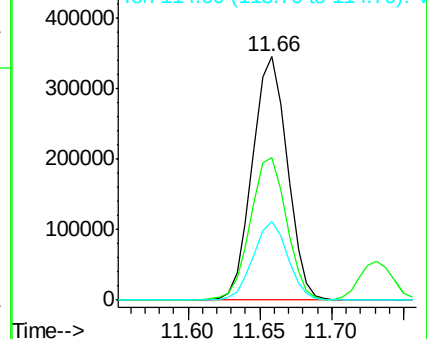
112 100

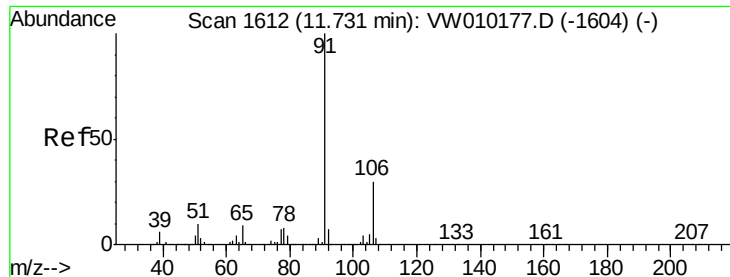
77 58.3 48.2 72.2

114 32.2 22.2 41.2



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V

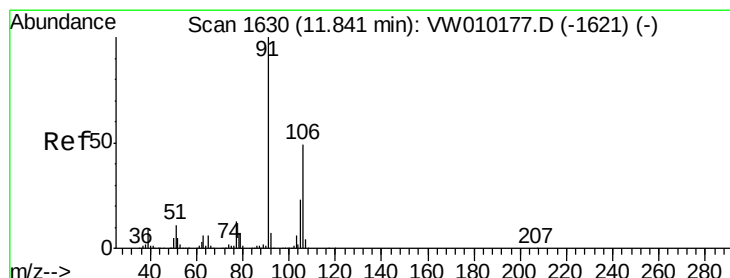
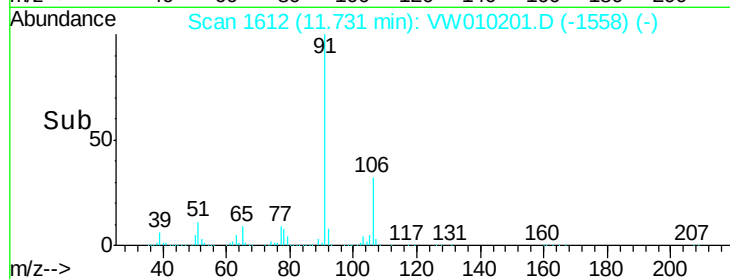
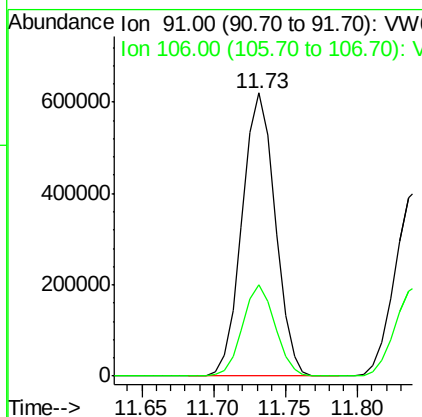
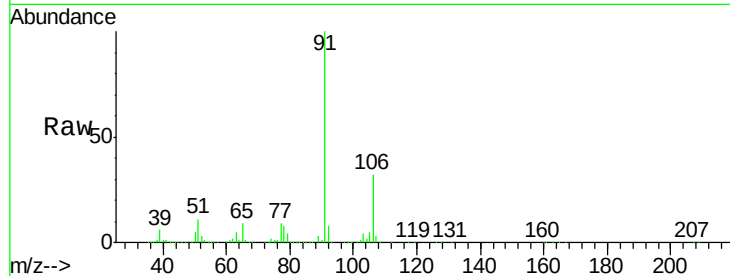




#53
Ethylbenzene
Concen: 24.976 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010201.D
Acq: 30 Apr 2019 02:03

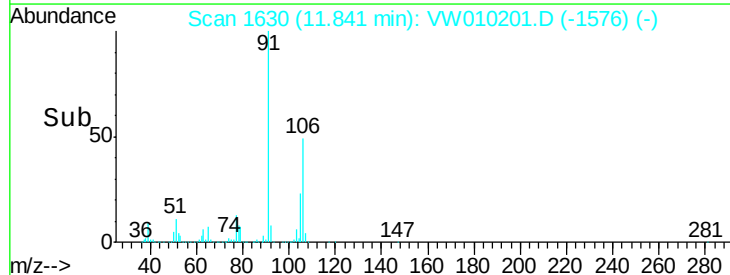
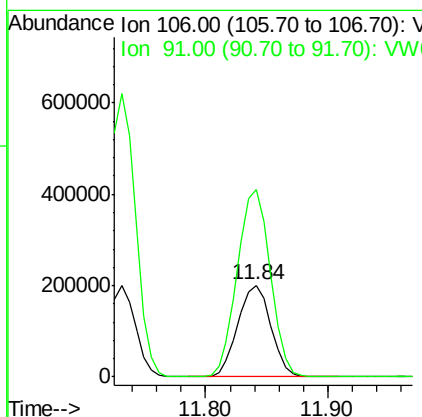
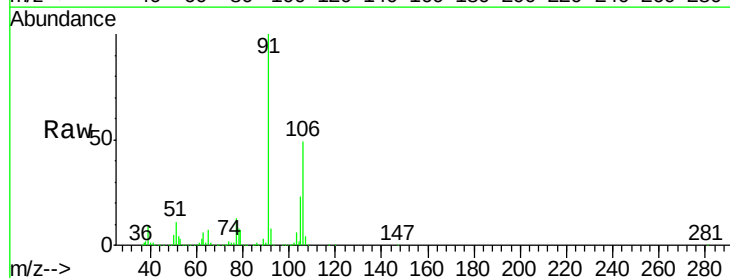
Instrument :
MSVOA_W
ClientSampleId :

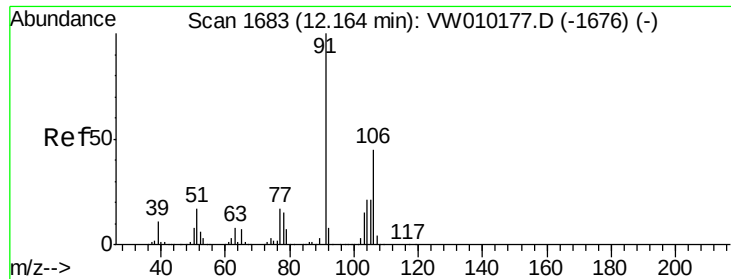
Tot Ion: 91 Resp: 990424
Ion Ratio Lower Upper
91 100
106 32.1 21.3 39.6



#54
m,p-Xylene
Concen: 25.192 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010201.D
Acq: 30 Apr 2019 02:03

Tgt Ion:106 Resp: 375954
Ion Ratio Lower Upper
106 100
91 204.1 143.8 267.0





#55

o-xylene

Concen: 26.015 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW010201.D

Acq: 30 Apr 2019 02:03

Instrument :

MSVOA_W

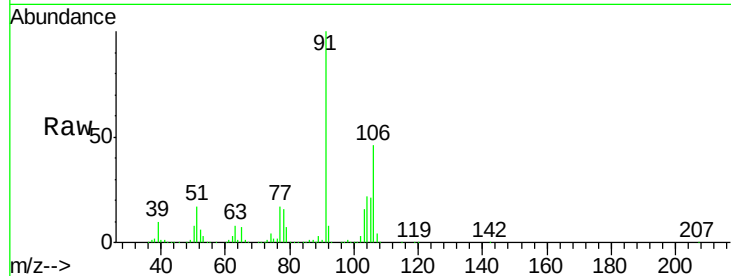
ClientSampled :

Tot Ion:106 Resp: 366997

Ion Ratio Lower Upper

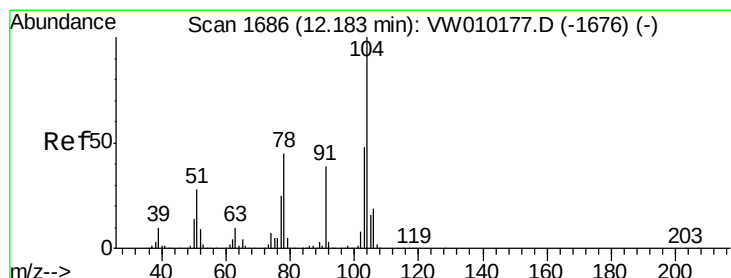
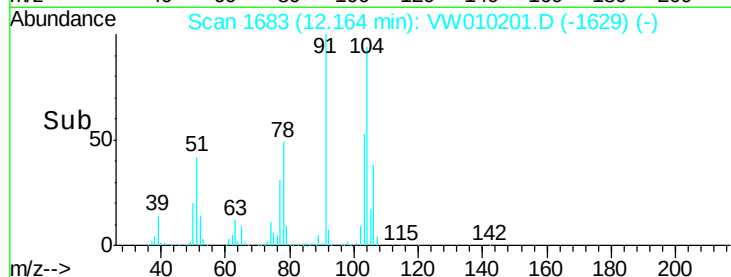
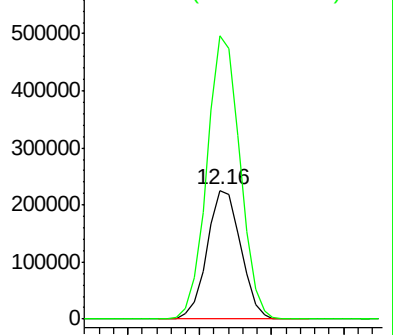
106 100

91 219.8 156.2 290.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 26.665 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW010201.D

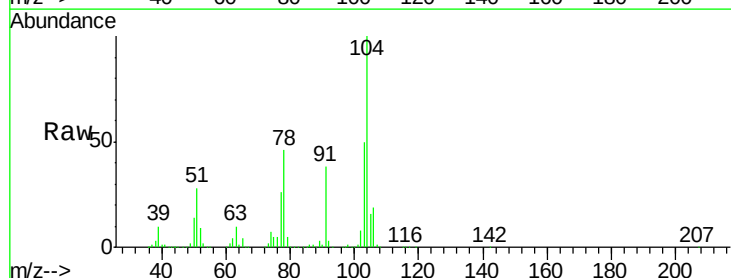
Acq: 30 Apr 2019 02:03

Tgt Ion:104 Resp: 651468

Ion Ratio Lower Upper

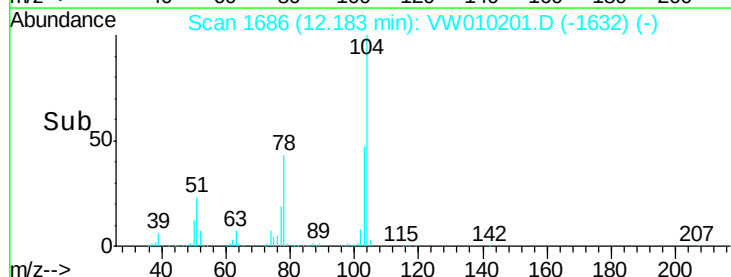
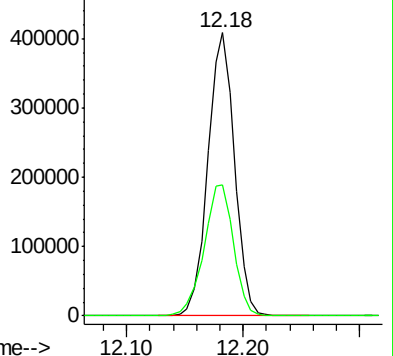
104 100

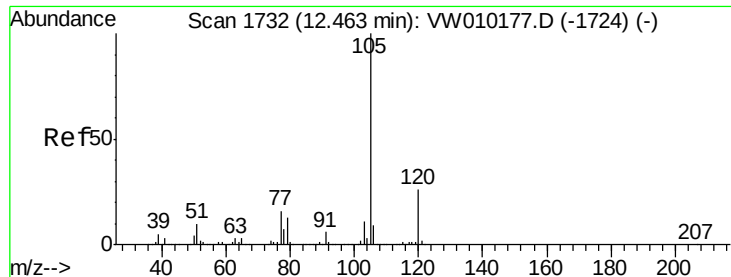
78 46.4 31.9 59.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 24.960 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW010201.D

Acq: 30 Apr 2019 02:03

Instrument :

MSVOA_W

ClientSampled :

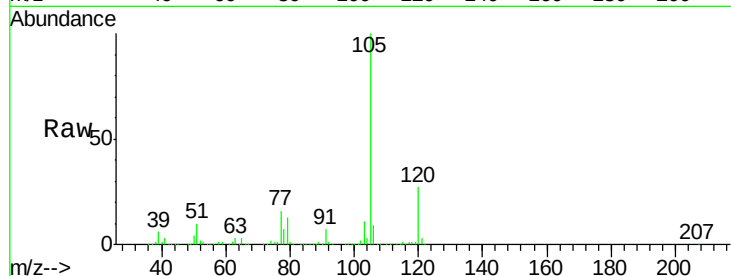
Tot Ion:105 Resp: 958183

Ion Ratio Lower Upper

105 100

120 26.3 20.9 31.3

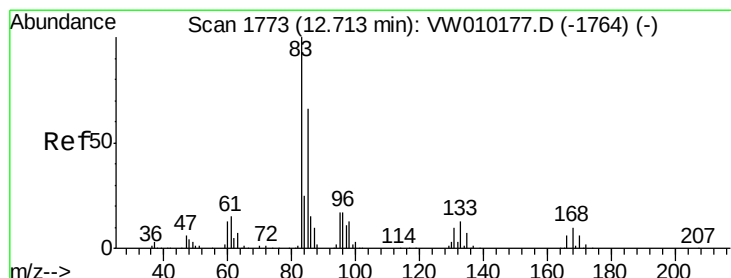
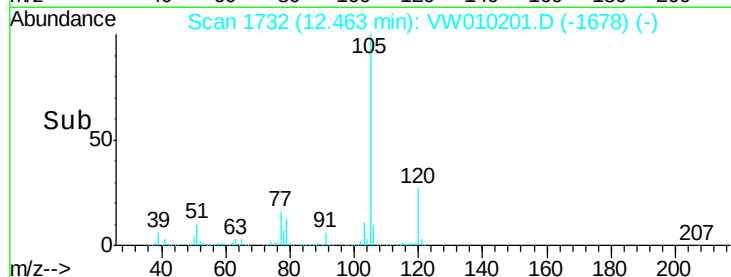
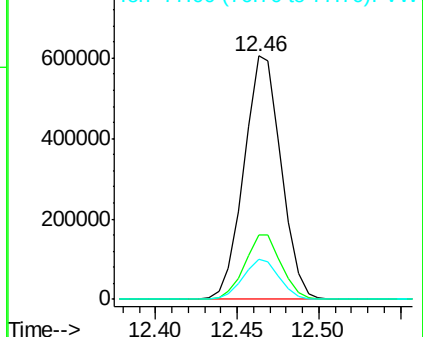
77 16.0 12.6 19.0



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: 26.685 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010201.D

Acq: 30 Apr 2019 02:03

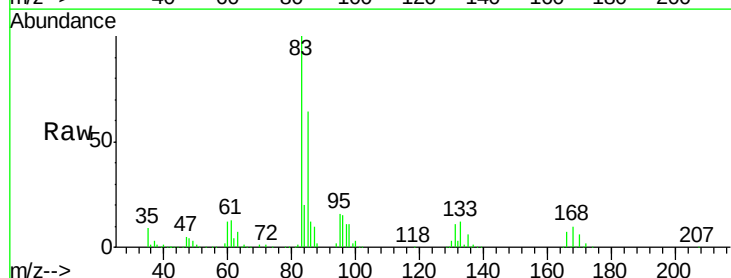
Tgt Ion: 83 Resp: 210929

Ion Ratio Lower Upper

83 100

85 63.6 46.5 86.5

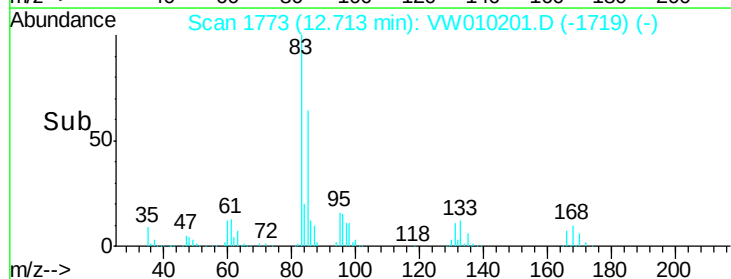
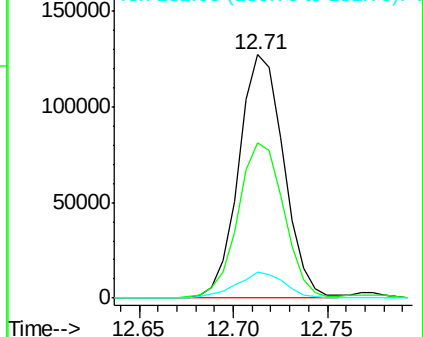
131 10.5 8.0 12.0

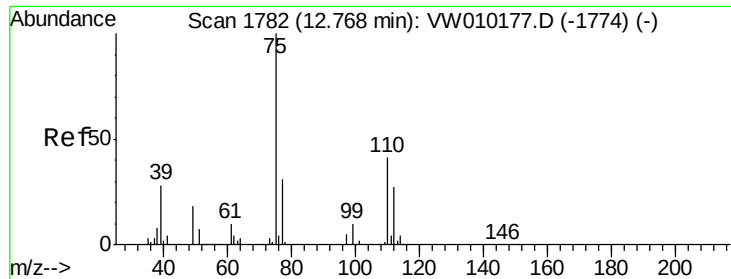


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

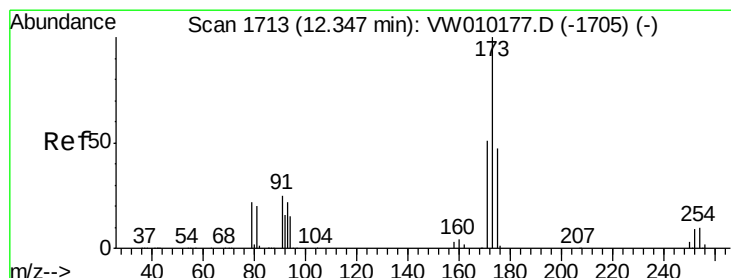
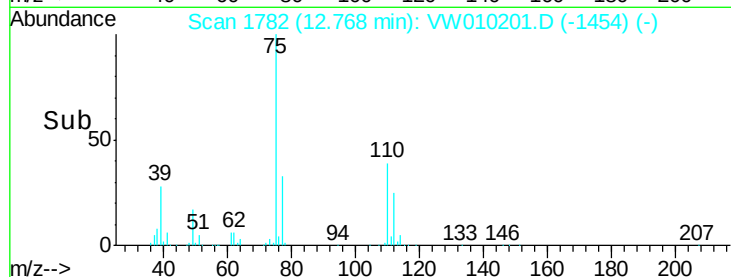
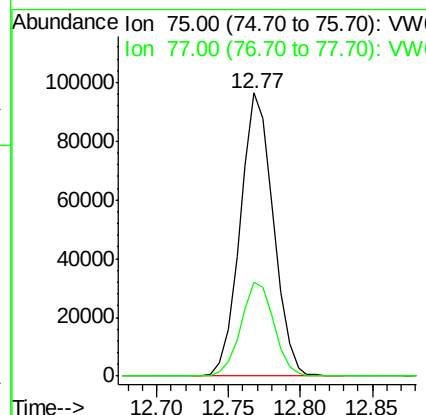
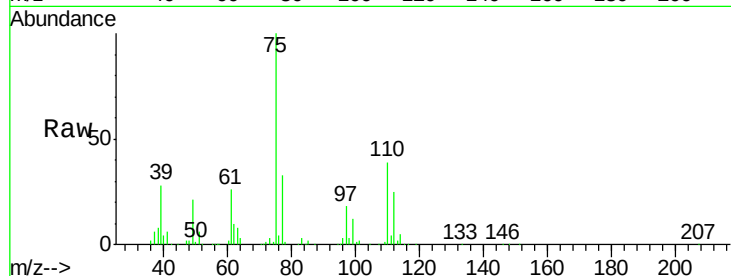




#59
 1,2,3-Trichloropropane
 Concen: 26.070 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW010201.D
 Acq: 30 Apr 2019 02:03

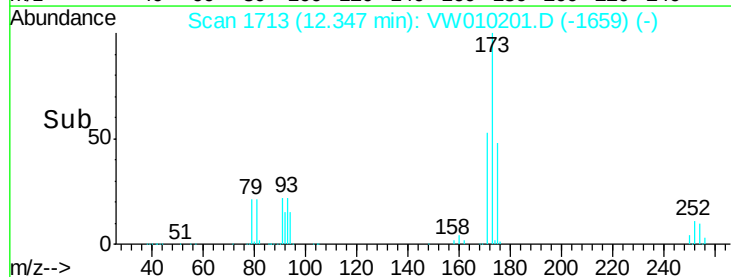
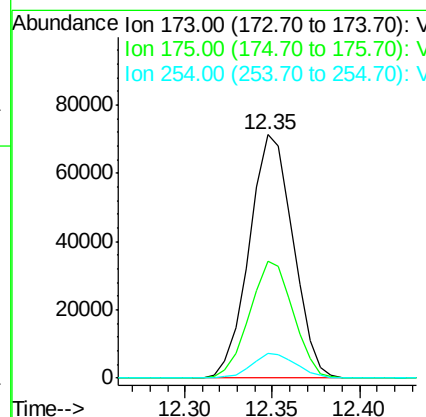
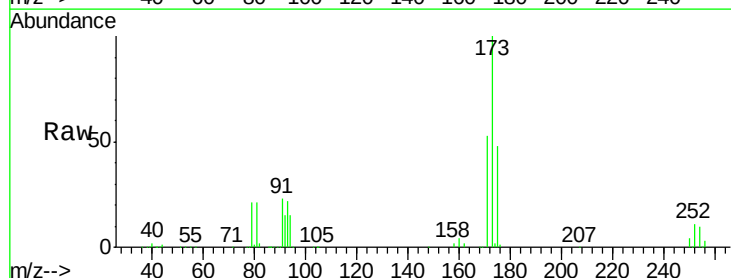
Instrument :
 MSVOA_W
 ClientSampled :

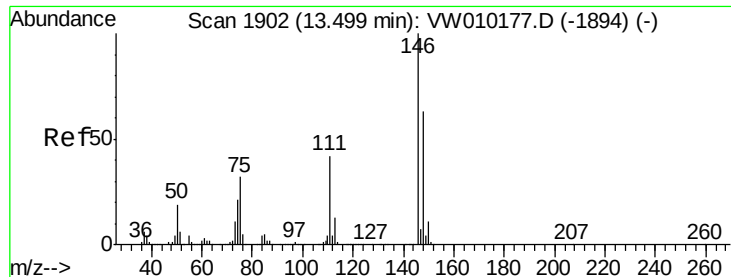
Tot Ion: 75 Resp: 153616
 Ion Ratio Lower Upper
 75 100
 77 33.1 25.0 37.4



#62
 Bromoform
 Concen: 26.114 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: VW010201.D
 Acq: 30 Apr 2019 02:03

Tgt Ion: 173 Resp: 124404
 Ion Ratio Lower Upper
 173 100
 175 48.0 38.6 57.8
 254 10.3 8.0 12.0





#63

1,3-Dichlorobenzene

Concen: 25.093 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010201.D

Acq: 30 Apr 2019 02:03

Instrument :

MSVOA_W

ClientSampleId :

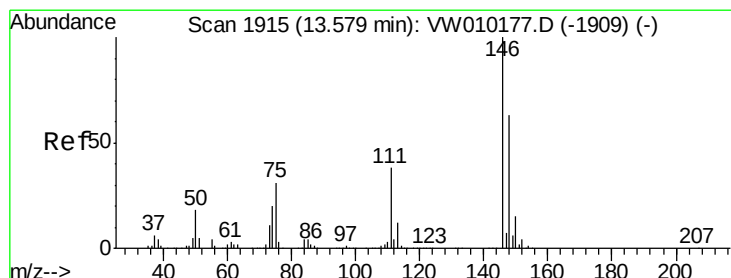
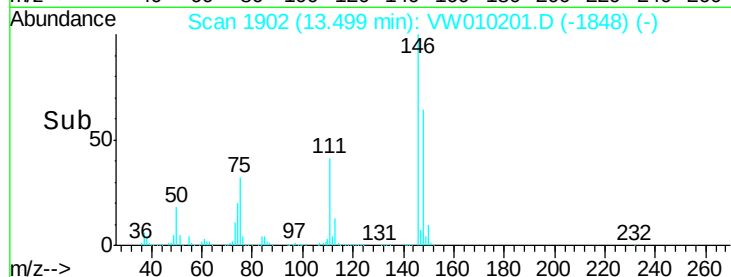
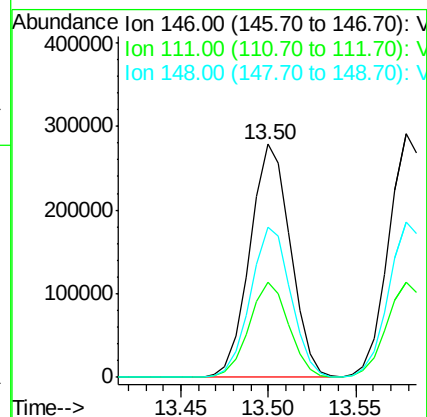
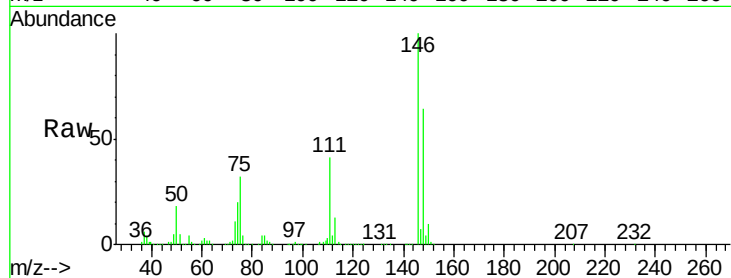
Tot Ion:146 Resp: 449298

Ion Ratio Lower Upper

146 100

111 40.9 29.3 54.5

148 64.2 44.3 82.3



#64

1,4-Dichlorobenzene

Concen: 24.586 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW010201.D

Acq: 30 Apr 2019 02:03

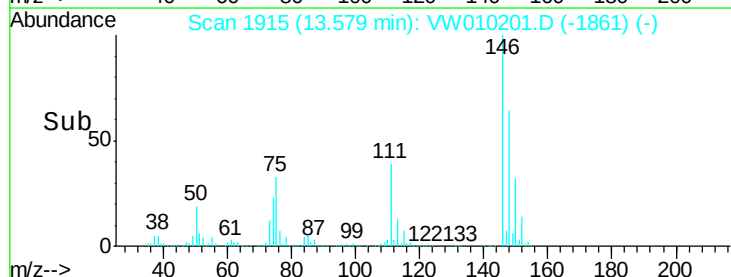
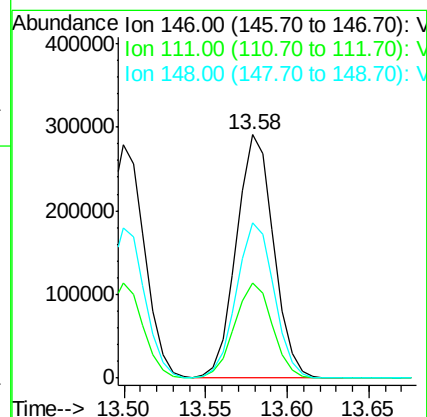
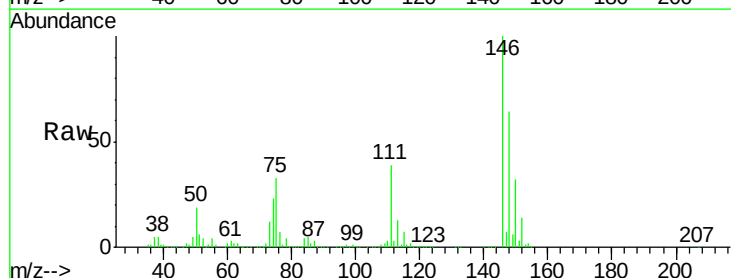
Tgt Ion:146 Resp: 462811

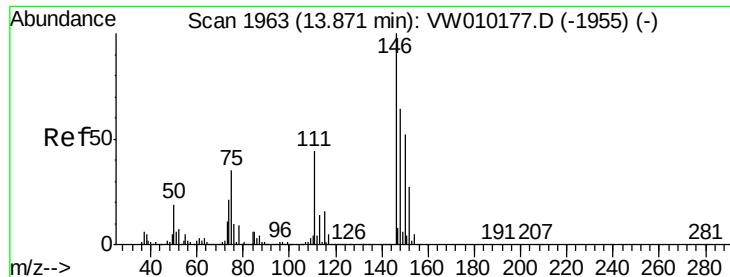
Ion Ratio Lower Upper

146 100

111 39.0 26.5 49.1

148 63.7 43.9 81.5

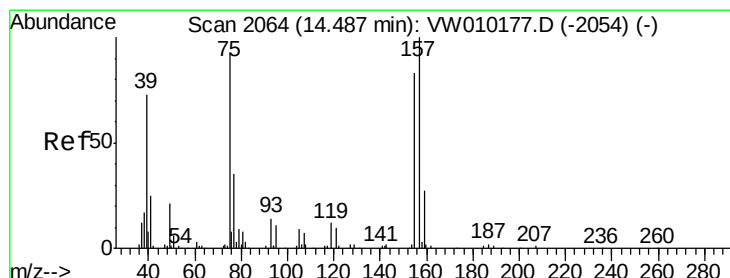
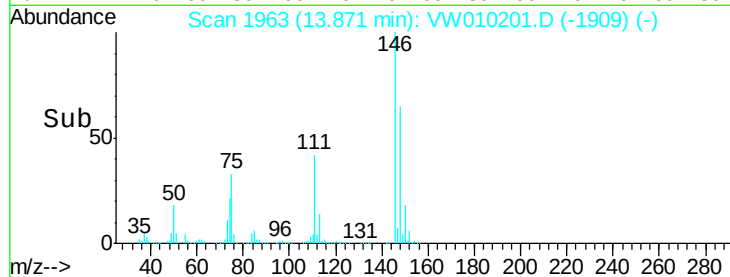
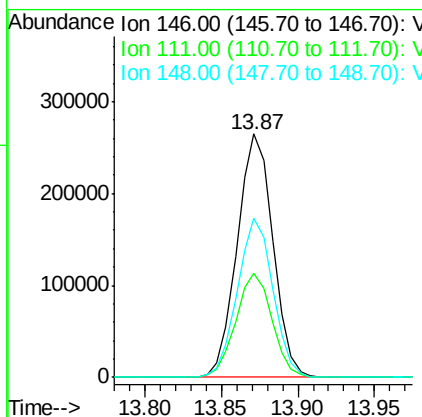
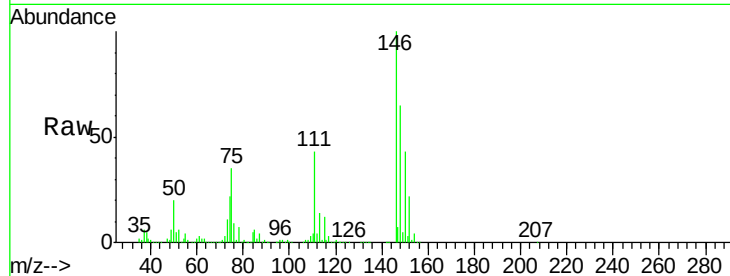




#65
 1,2-Dichlorobenzene
 Concen: 25.434 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010201.D
 Acq: 30 Apr 2019 02:03

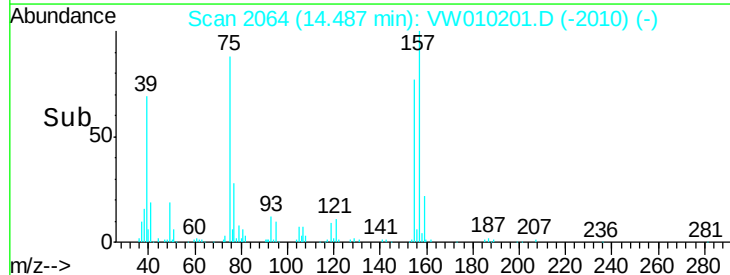
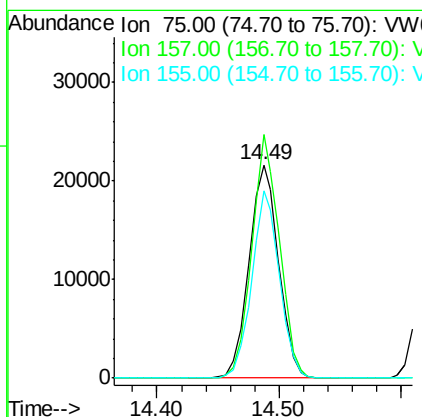
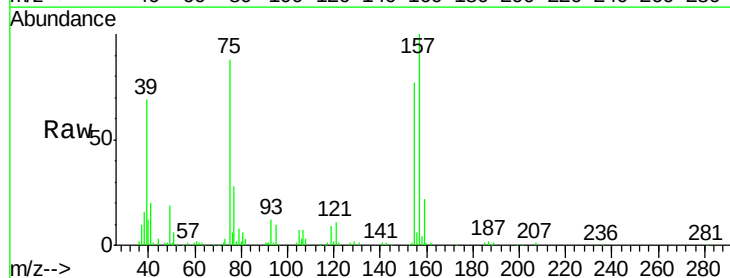
Instrument :
 MSVOA_W
 ClientSampleId :

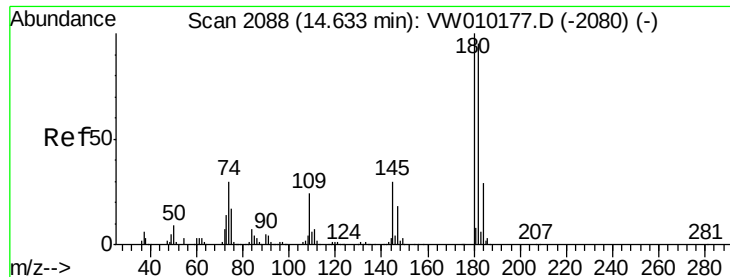
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	35.0	52.4
148	65.2	51.2	76.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 25.986 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010201.D
 Acq: 30 Apr 2019 02:03

Tgt Ion	Ratio	Lower	Upper
75	100		
157	114.1	85.7	128.5
155	88.0	70.8	106.2

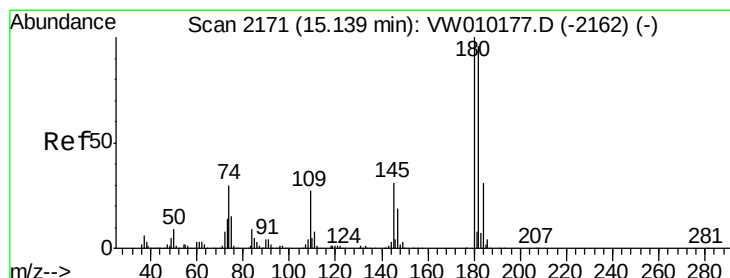
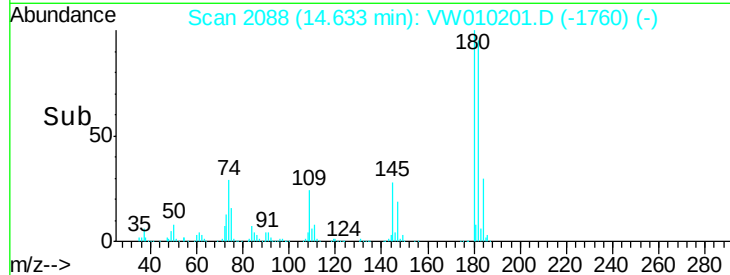
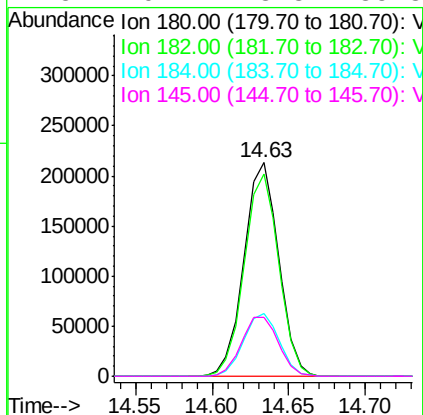
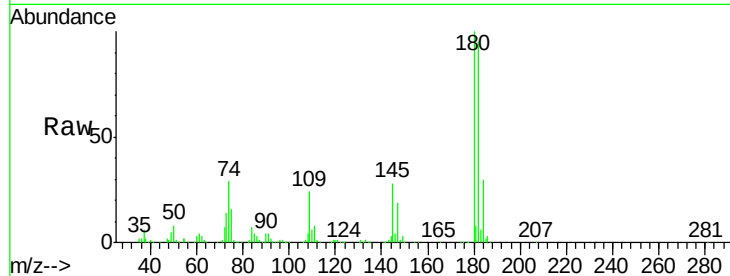




#67
 1,3,5-Trichlorobenzene
 Concen: 24.403 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW010201.D
 Acq: 30 Apr 2019 02:03

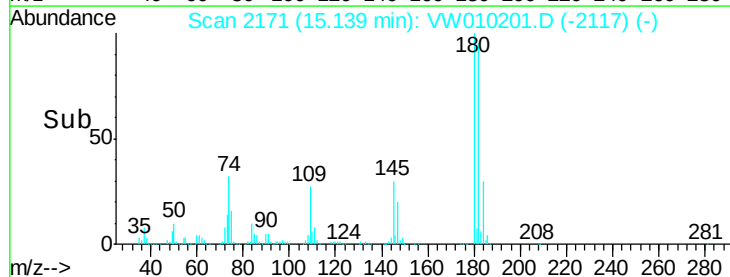
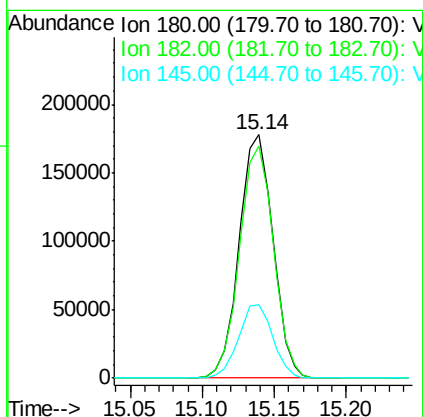
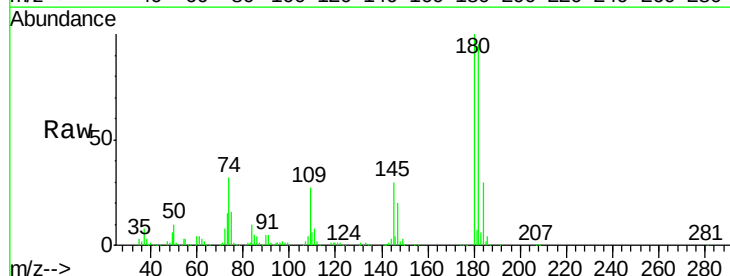
Instrument :
 MSVOA_W
 ClientSampleId :

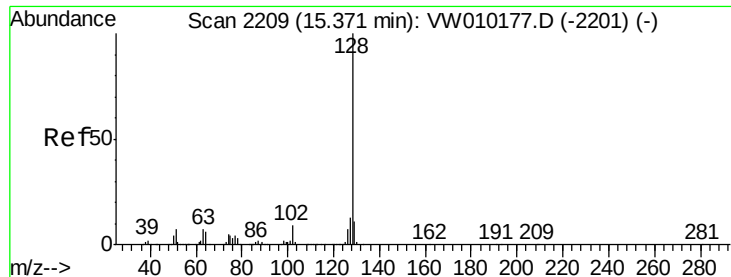
Tot Ion	180	Resp	336186
Ion Ratio	100	Lower	Upper
180	100		
182	94.3	75.7	113.5
184	30.3	23.8	35.6
145	29.7	23.8	35.8



#68
 1,2,4-trichlorobenzene
 Concen: 26.074 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010201.D
 Acq: 30 Apr 2019 02:03

Tgt Ion	180	Resp	290875
Ion Ratio	100	Lower	Upper
180	100		
182	95.7	76.2	114.4
145	30.6	24.5	36.7





#69

Naphthalene

Concen: 28.193 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010201.D

Acq: 30 Apr 2019 02:03

Instrument :

MSVOA_W

ClientSampled :

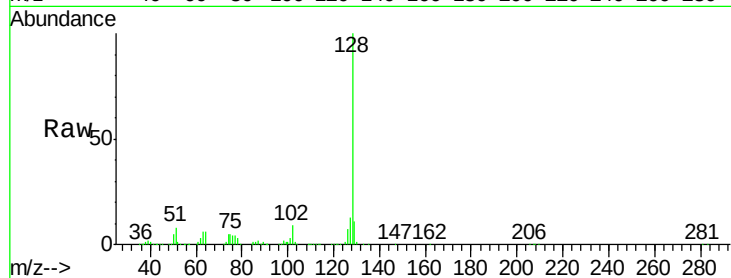
Tot Ion:128 Resp: 644066

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

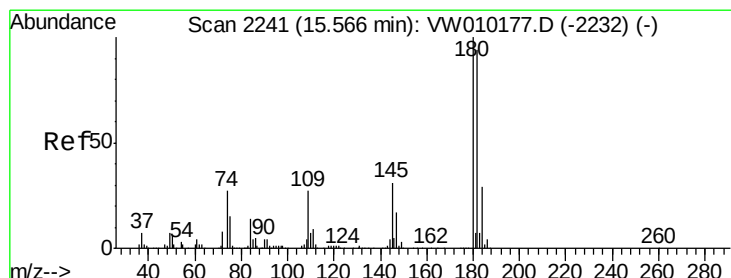
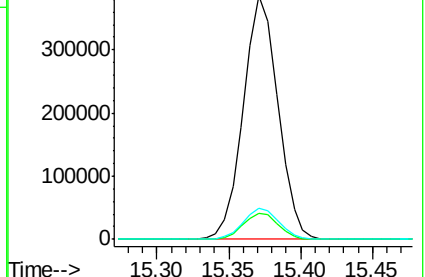
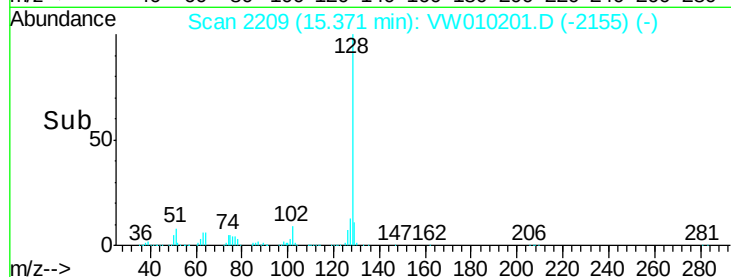
127 13.3 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 26.862 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.01 min

Lab File: VW010201.D

Acq: 30 Apr 2019 02:03

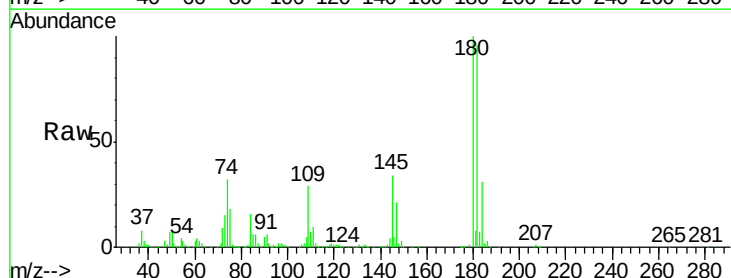
Tgt Ion:180 Resp: 283200

Ion Ratio Lower Upper

180 100

182 94.4 76.2 114.4

145 33.0 26.0 39.0



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

