

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042919\
 Data File : VW010181.D
 Acq On : 29 Apr 2019 14:39
 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 04:29:02 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	672936	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	639924	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	321802	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	173686	22.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.00%
7) Chloroethane-d5	2.89	69	153047	24.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.80%
10) 1,1-Dichloroethene-d2	4.01	63	400778	23.61	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.44%
20) 2-Butanone-d5	7.07	46	155551	55.25	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.50%
24) Chloroform-d	7.64	84	443919	25.46	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.84%
26) 1,2-Dichloroethane-d4	8.31	65	252024	25.15	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.60%
29) Benzene-d6	8.27	84	845383	24.53	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.12%
33) 1,2-Dichloropropane-d6	9.27	67	264699	24.59	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.36%
37) Toluene-d8	10.32	98	777555	24.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.24%
38) trans-1,3-Dichloropropene-	10.57	79	123955	24.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.96%
39) 2-Hexanone-d5	10.93	63	128598	56.85	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.70%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	236524	25.73	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.92%
61) 1,2-Dichlorobenzene-d4	13.86	152	296697	24.82	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.28%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	226329	23.942	ug/L 98
3) Chloromethane	2.21	50	210944	26.514	ug/L 99
5) Vinyl chloride	2.37	62	240926	24.682	ug/L 97
6) Bromomethane	2.78	94	145954	26.181	ug/L 100
8) Chloroethane	2.92	64	148662	25.544	ug/L 99
9) Trichlorofluoromethane	3.25	101	127710	24.055	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	196703	24.236	ug/L 100
12) 1,1-Dichloroethene	4.03	96	204211	24.994	ug/L 94
13) Acetone	4.11	43	104206	46.831	ug/L 98
14) Carbon disulfide	4.37	76	594774	25.265	ug/L 98
15) Methyl Acetate	4.66	43	129985	26.906	ug/L 99
16) Methylene chloride	4.91	84	236239	21.097	ug/L 96
17) Methyl tert-butyl Ether	5.42	73	298611	28.115	ug/L 100
18) trans-1,2-Dichloroethene	5.42	96	222840	25.816	ug/L 97
19) 1,1-Dichloroethane	6.21	63	424244	26.476	ug/L 99
21) 2-Butanone	7.17	43	173984	55.755	ug/L 99
22) cis-1,2-Dichloroethene	7.16	96	252921	27.096	ug/L 97

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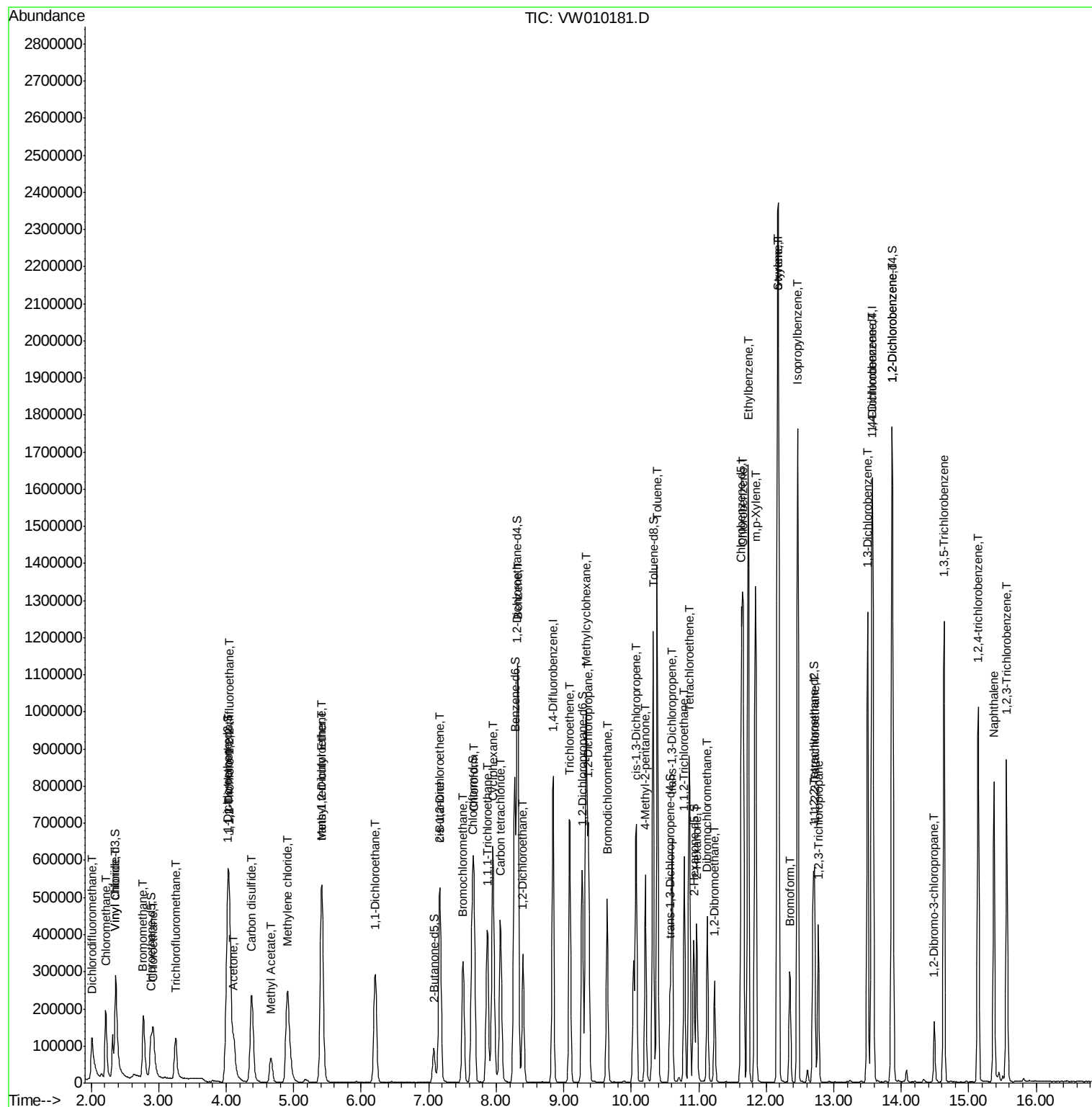
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	117001	27.263	ug/L	98
25) Chloroform	7.67	83	436365	26.578	ug/L	100
27) 1,2-Dichloroethane	8.40	62	315661	27.166	ug/L	100
30) Cyclohexane	7.95	56	374787	25.865	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	341530	25.544	ug/L	99
32) Carbon tetrachloride	8.06	117	331056	24.946	ug/L	100
34) Benzene	8.32	78	941246	26.211	ug/L	100
35) Trichloroethene	9.09	95	244394	25.524	ug/L	99
36) Methylcyclohexane	9.34	83	400092	25.109	ug/L	99
40) 1,2-Dichloropropane	9.37	63	246080	26.408	ug/L	100
41) Bromodichloromethane	9.64	83	328127	26.783	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	387216	26.712	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	377835	57.531	ug/L	99
44) Toluene	10.38	91	1017415	26.472	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	340359	26.989	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	187169	26.874	ug/L	98
47) Tetrachloroethene	10.86	164	199427	25.100	ug/L	96
49) 2-Hexanone	10.97	43	269297	57.359	ug/L	98
50) Dibromochloromethane	11.13	129	232956	26.936	ug/L	98
51) 1,2-Dibromoethane	11.24	107	185524	27.210	ug/L	95
52) Chlorobenzene	11.66	112	664320	26.387	ug/L	100
53) Ethylbenzene	11.73	91	1153440	26.508	ug/L	100
54) m,p-Xylene	11.84	106	434095	26.508	ug/L	99
55) o-xylene	12.16	106	419850	27.122	ug/L	94
56) Styrene	12.18	104	731229	27.276	ug/L	99
57) Isopropylbenzene	12.46	105	1119812	26.583	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	230750	26.604	ug/L	95
59) 1,2,3-Trichloropropane	12.77	75	176677	27.324	ug/L	99
62) Bromoform	12.35	173	138414	26.768	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	511426	26.315	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	523875	25.639	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	487943	26.655	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	41465	27.280	ug/L	99
67) 1,3,5-Trichlorobenzene	14.63	180	387042	25.883	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	320443	26.463	ug/L	100
69) Naphthalene	15.37	128	678956	27.381	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	299133	26.140	ug/L	100

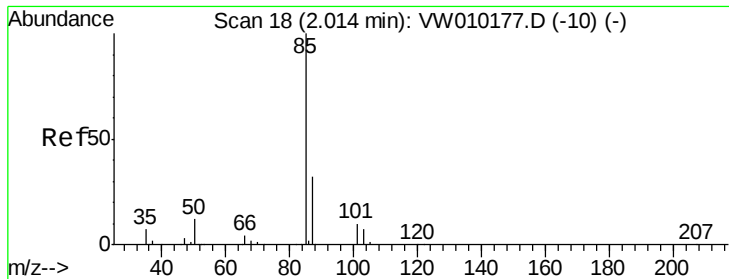
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 23.942 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW010181.D

Acq: 29 Apr 2019 14:39

Instrument :

MSVOA_W

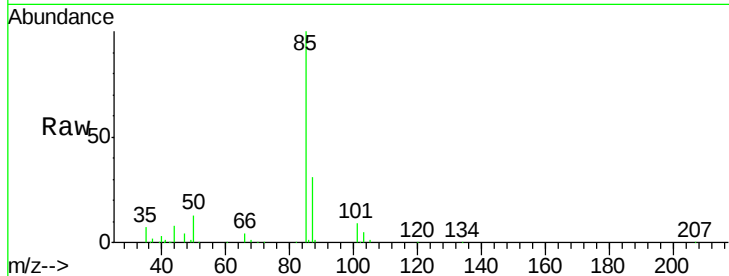
ClientSampleId :

Tot Ion: 85 Resp: 226329

Ion Ratio Lower Upper

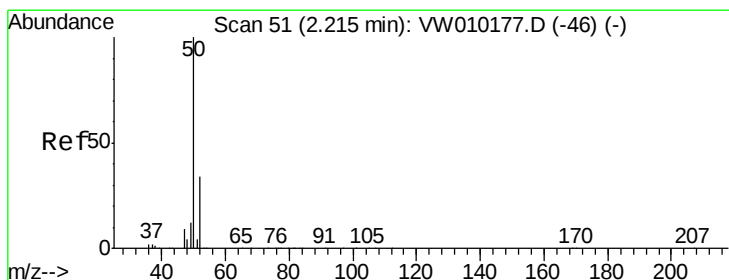
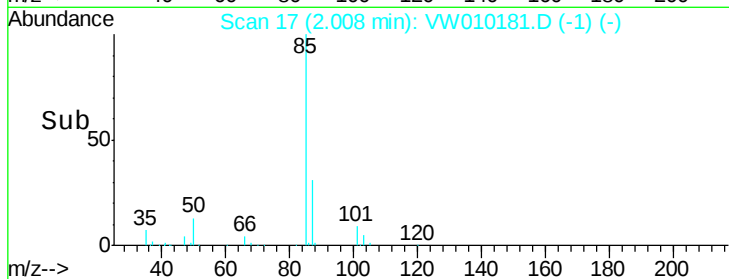
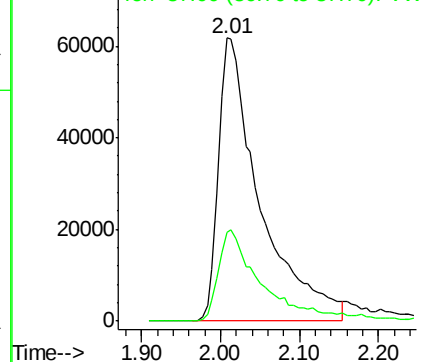
85 100

87 30.7 20.6 38.2



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 26.514 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW010181.D

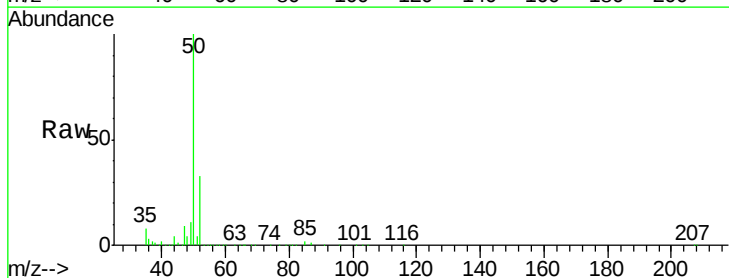
Acq: 29 Apr 2019 14:39

Tgt Ion: 50 Resp: 210944

Ion Ratio Lower Upper

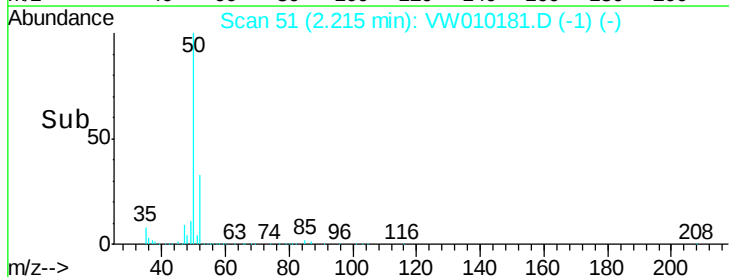
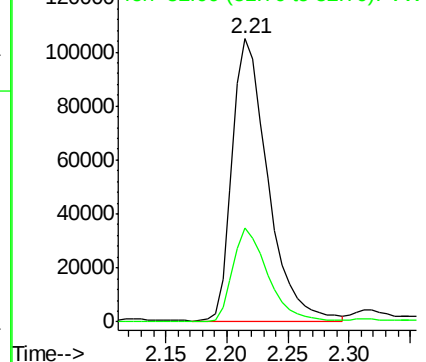
50 100

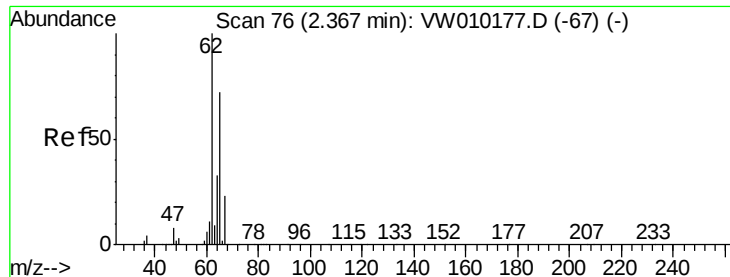
52 33.1 23.6 43.8



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 24.682 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW010181.D

Acq: 29 Apr 2019 14:39

Instrument :

MSVOA_W

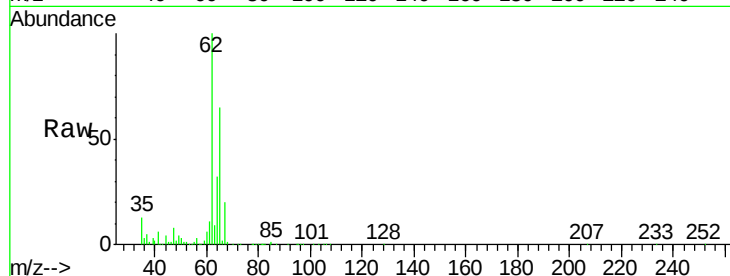
ClientSampleId :

Tot Ion: 62 Resp: 240926

Ion Ratio Lower Upper

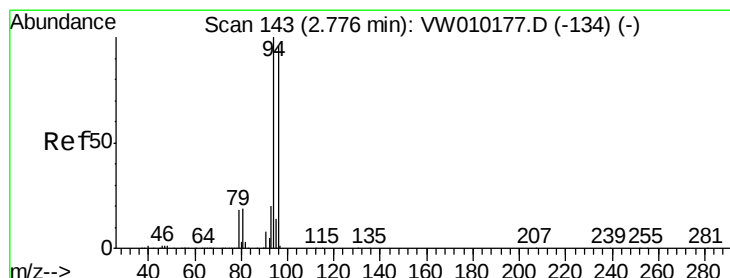
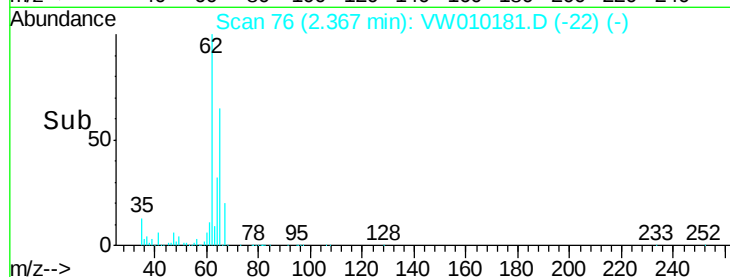
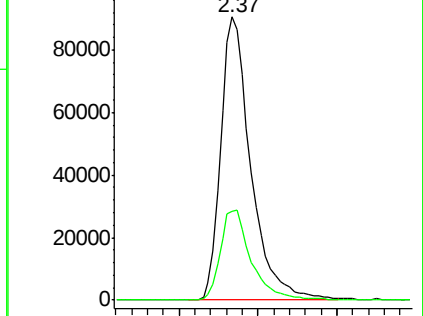
62 100

64 31.5 23.3 43.3



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 26.181 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW010181.D

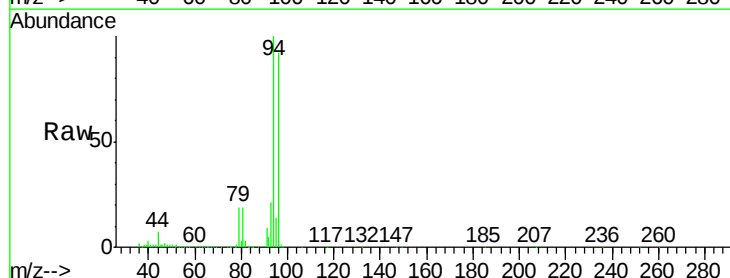
Acq: 29 Apr 2019 14:39

Tgt Ion: 94 Resp: 145954

Ion Ratio Lower Upper

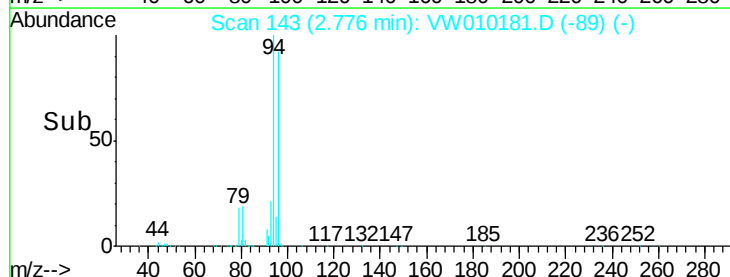
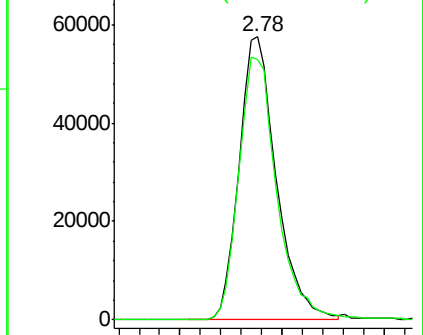
94 100

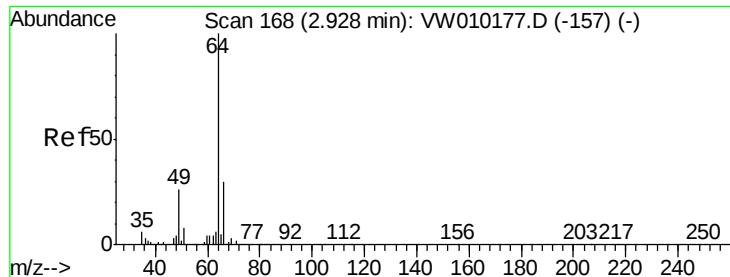
96 95.3 9.5 180.3



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 25.544 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW010181.D

Acq: 29 Apr 2019 14:39

Instrument :

MSVOA_W

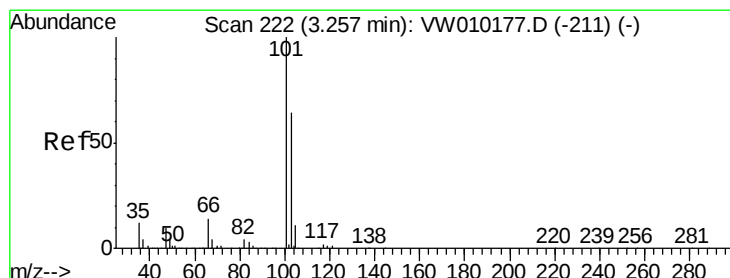
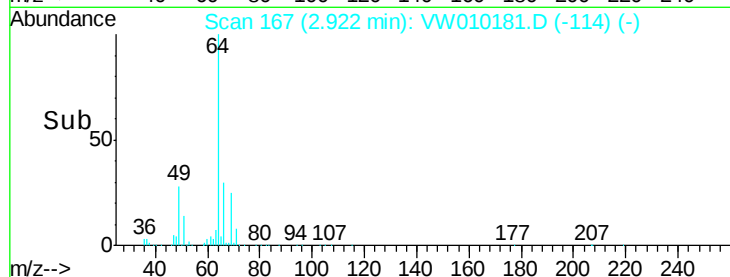
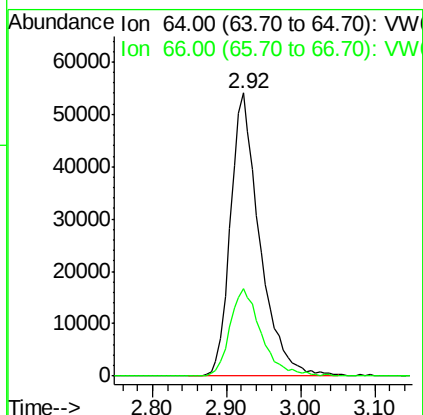
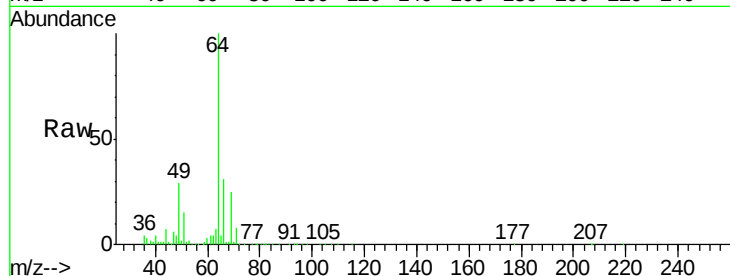
ClientSampleId :

Tot Ion: 64 Resp: 148662

Ion Ratio Lower Upper

64 100

66 30.7 21.3 39.5



#9

Trichlorofluoromethane

Concen: 24.055 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW010181.D

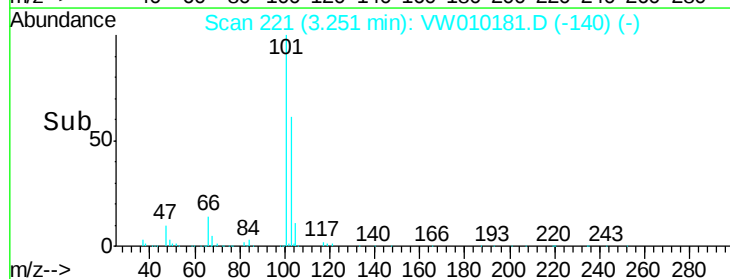
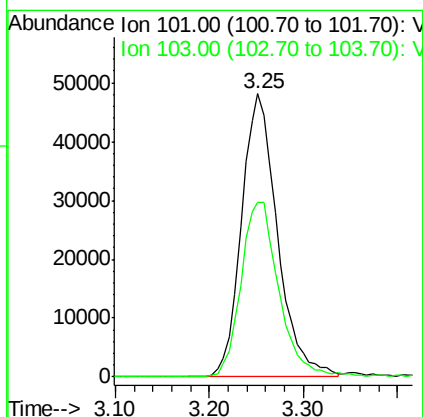
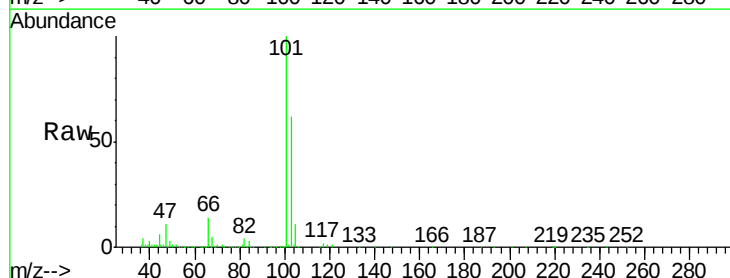
Acq: 29 Apr 2019 14:39

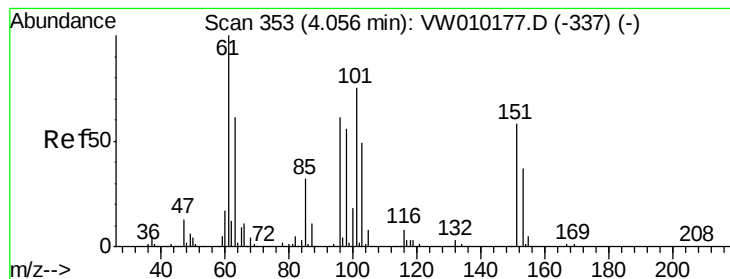
Tgt Ion: 101 Resp: 127710

Ion Ratio Lower Upper

101 100

103 64.5 45.5 84.5





#11

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

Concen: 24.236 ug/L

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW010181.D

Acq: 29 Apr 2019 14:39

Instrument :

MSVOA_W

ClientSampleId :

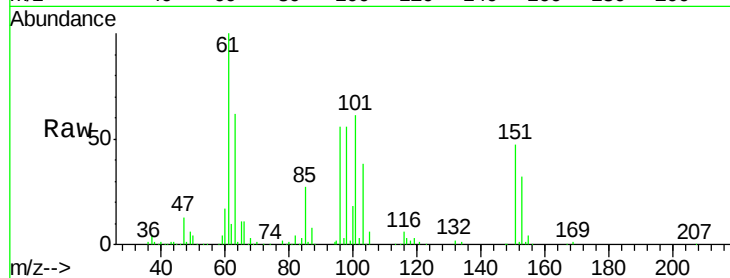
Tot Ion:101 Resp: 196703

Ion Ratio Lower Upper

101 100

85 41.3 33.8 50.6

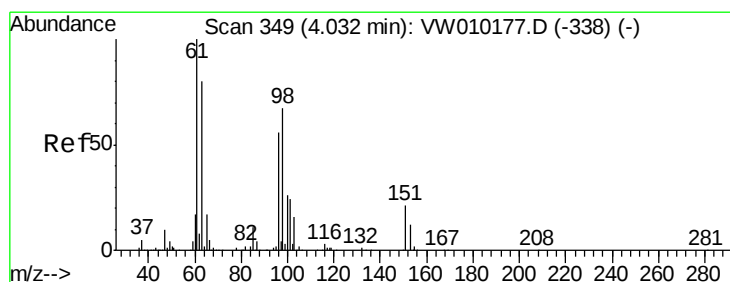
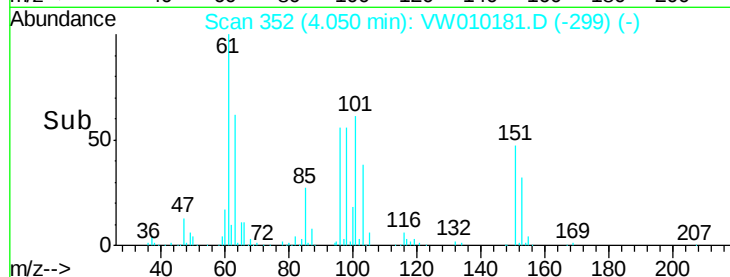
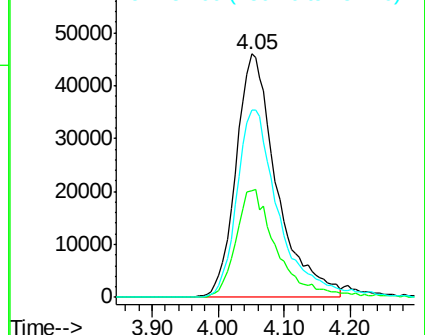
151 78.2 62.6 93.8



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: 24.994 ug/L

RT: 4.03 min Scan# 349

Delta R.T. 0.00 min

Lab File: VW010181.D

Acq: 29 Apr 2019 14:39

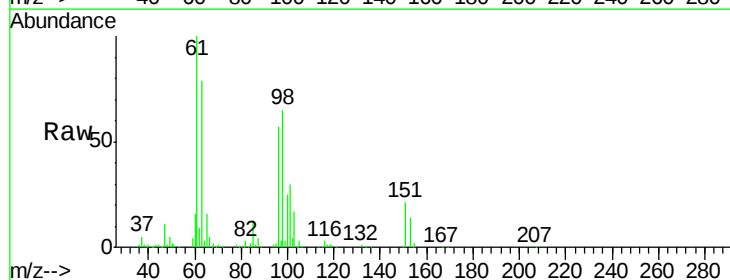
Tgt Ion: 96 Resp: 204211

Ion Ratio Lower Upper

96 100

61 176.6 125.2 232.6

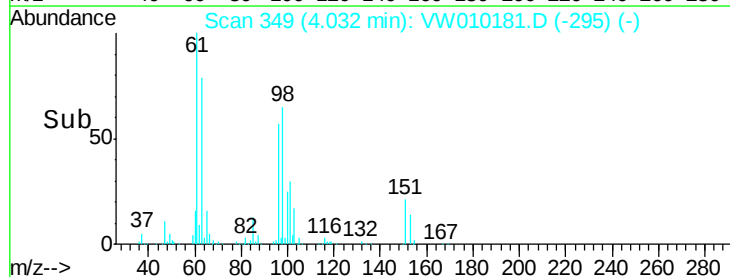
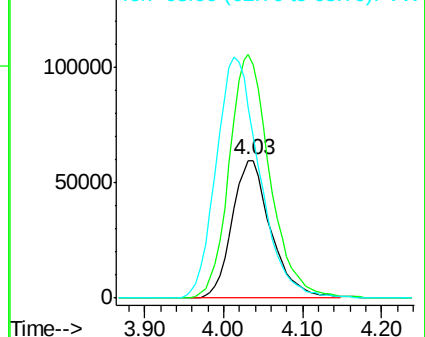
63 138.8 106.3 197.3

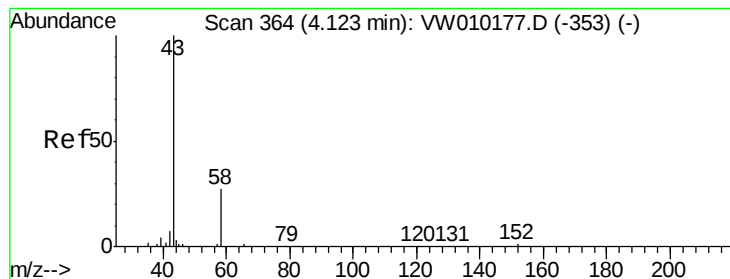


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 46.831 ug/L

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW010181.D

Acq: 29 Apr 2019 14:39

Instrument :

MSVOA_W

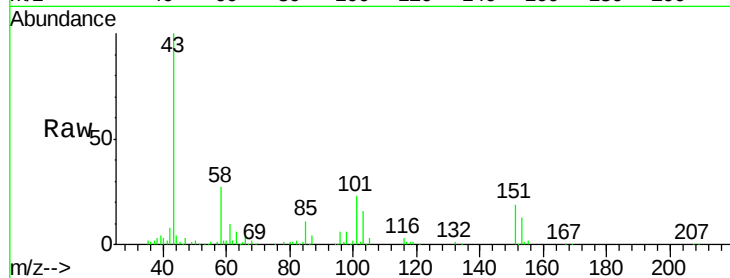
ClientSampled :

Tot Ion: 43 Resp: 104206

Ion Ratio Lower Upper

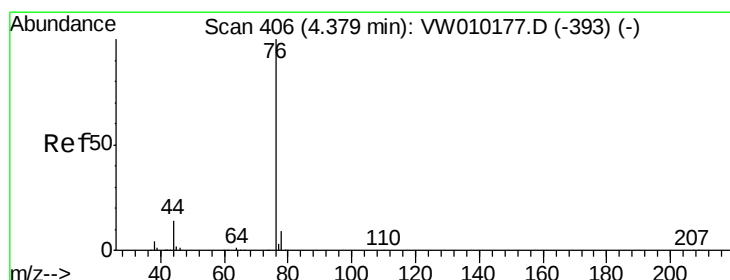
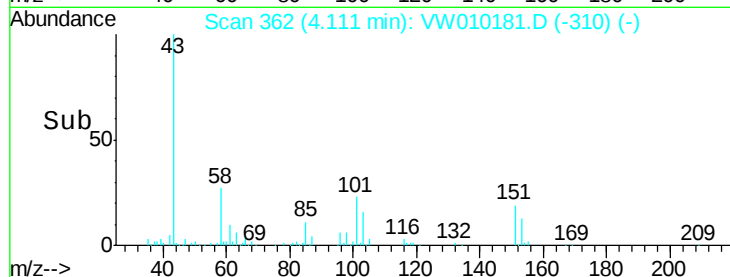
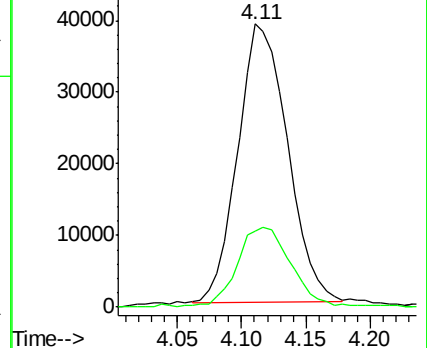
43 100

58 30.7 0.0 59.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 25.265 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW010181.D

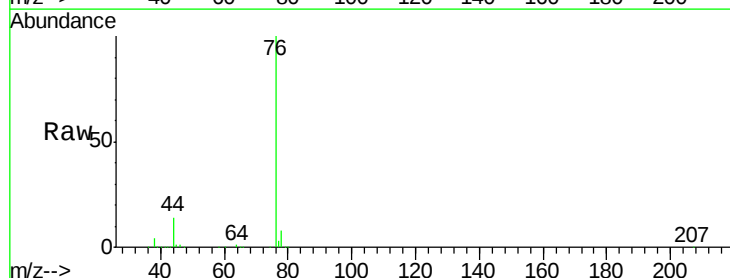
Acq: 29 Apr 2019 14:39

Tgt Ion: 76 Resp: 594774

Ion Ratio Lower Upper

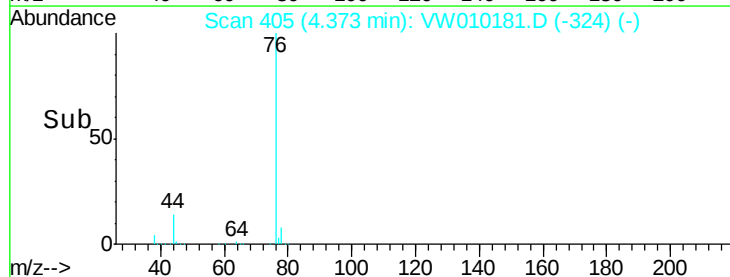
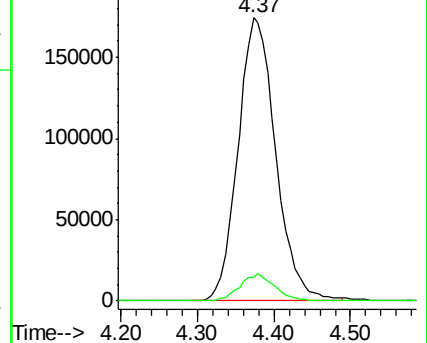
76 100

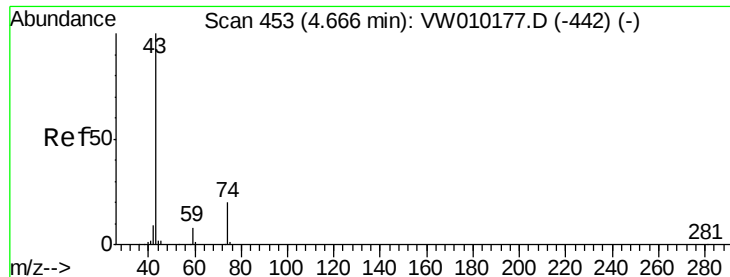
78 8.5 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#15

Methyl Acetate

Concen: 26.906 ug/L

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW010181.D

Acq: 29 Apr 2019 14:39

Instrument :

MSVOA_W

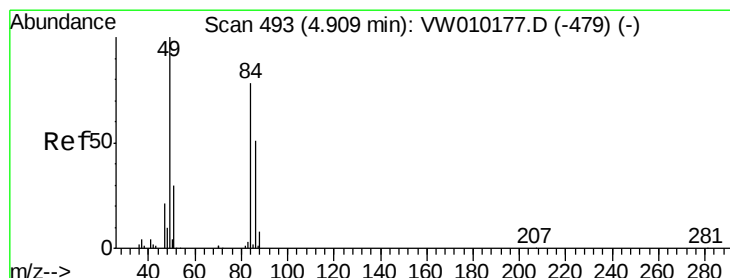
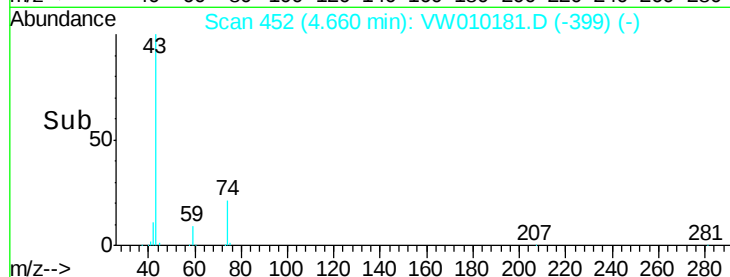
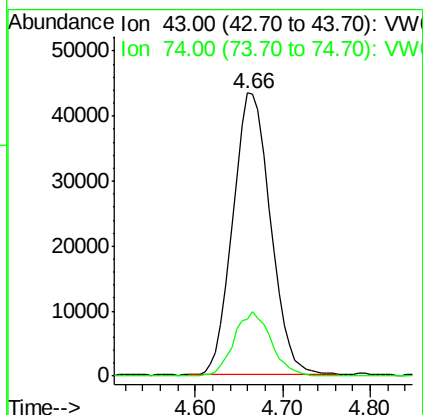
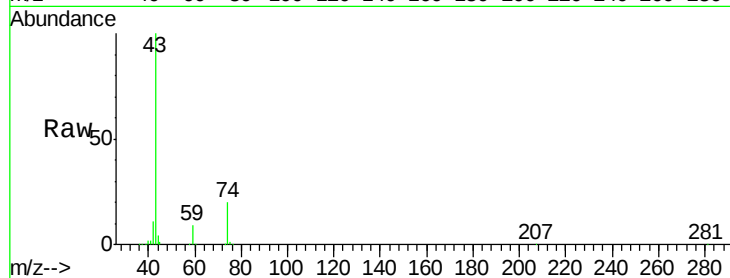
ClientSampleId :

Tot Ion: 43 Resp: 129985

Ion Ratio Lower Upper

43 100

74 22.5 17.5 26.3



#16

Methylene chloride

Concen: 21.097 ug/L

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW010181.D

Acq: 29 Apr 2019 14:39

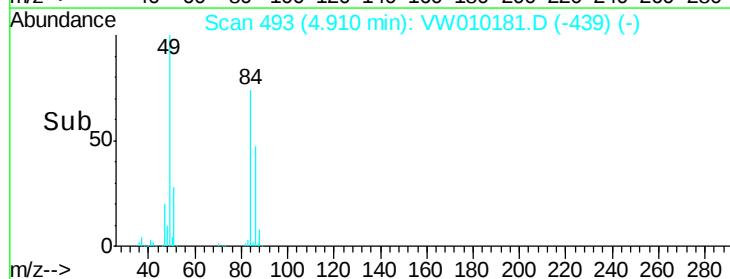
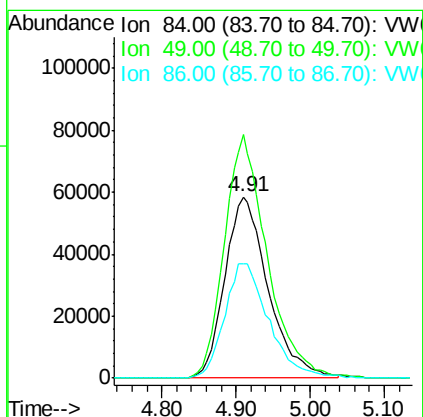
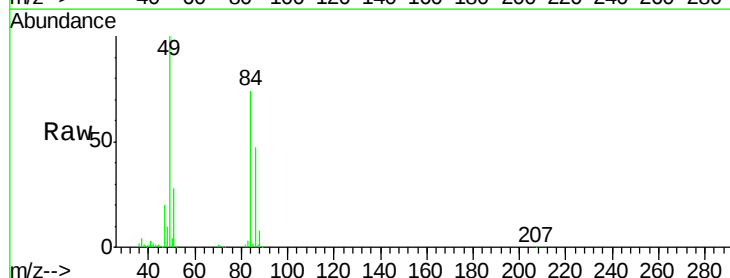
Tgt Ion: 84 Resp: 236239

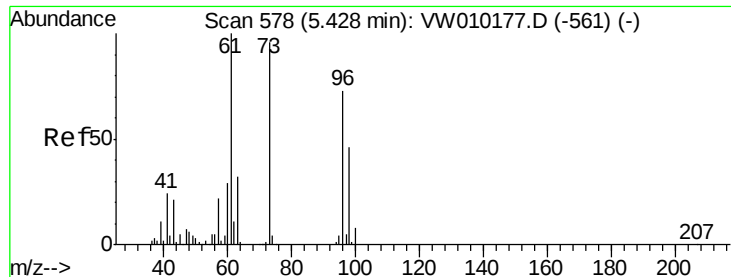
Ion Ratio Lower Upper

84 100

49 134.4 90.2 167.6

86 63.3 46.3 86.1

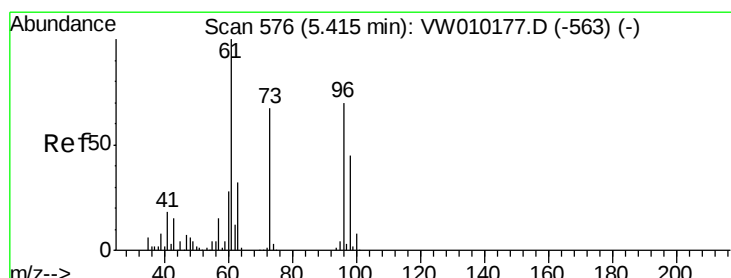
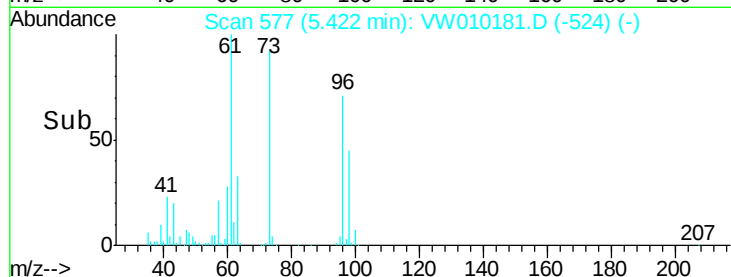
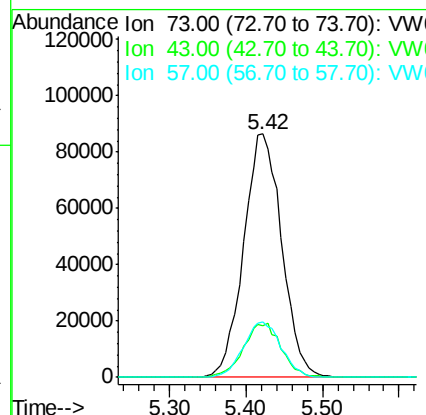
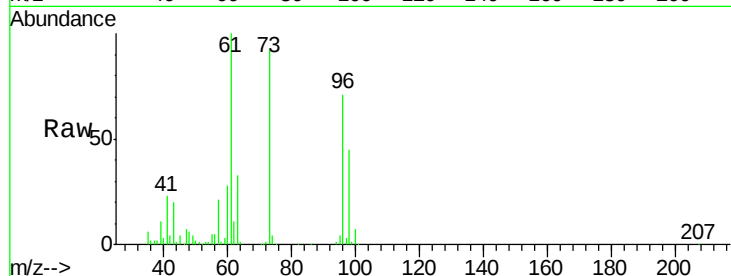




#17
Methvl tert-butvl Ether
Concen: 28.115 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW010181.D
Acq: 29 Apr 2019 14:39

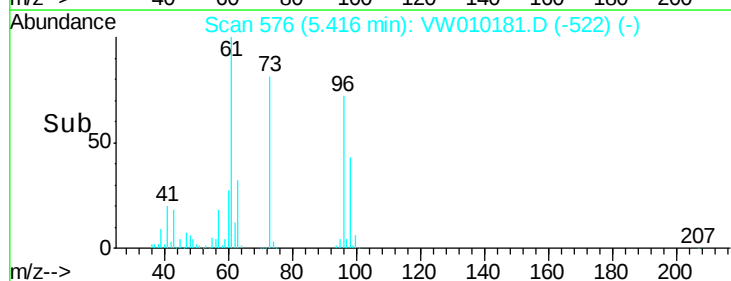
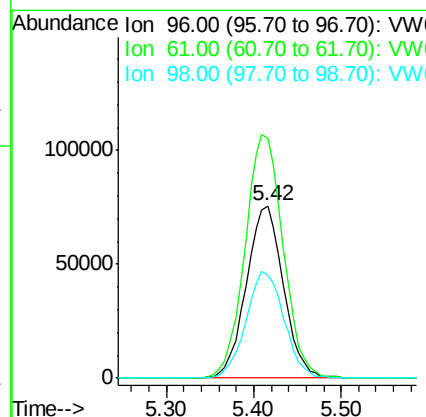
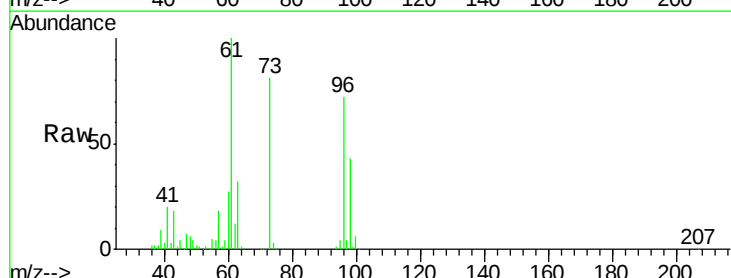
Instrument :
MSVOA_W
ClientSampled :

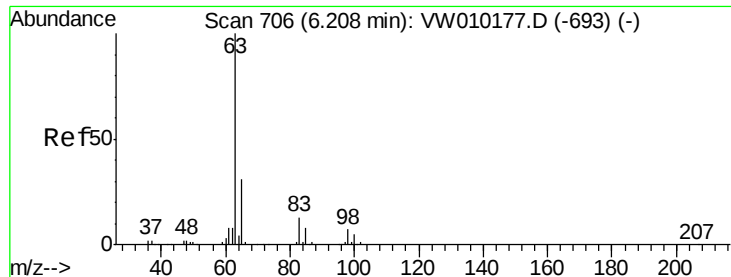
Tot Ion	Ratio	Lower	Upper
73	100		
43	22.0	17.5	26.3
57	22.5	17.8	26.6



#18
trans-1,2-Dichloroethene
Concen: 25.816 ug/L
RT: 5.42 min Scan# 576
Delta R.T. 0.00 min
Lab File: VW010181.D
Acq: 29 Apr 2019 14:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	139.1	99.4	184.6
98	59.8	44.8	83.2





#19

1,1-Dichloroethane

Concen: 26.476 ug/L

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW010181.D

Acq: 29 Apr 2019 14:39

Instrument :

MSVOA_W

ClientSampleId :

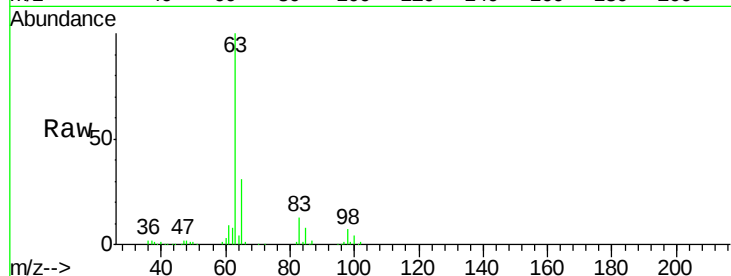
Tot Ion: 63 Resp: 424244

Ion Ratio Lower Upper

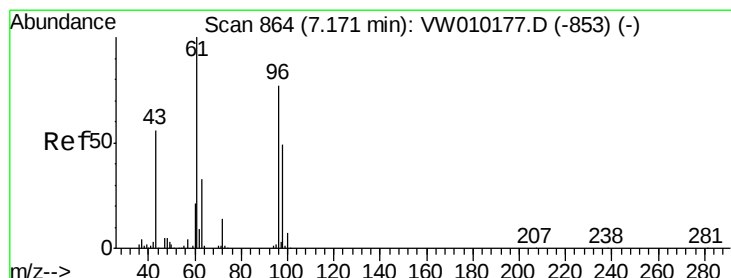
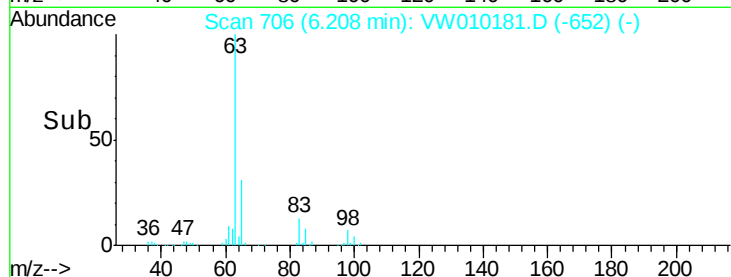
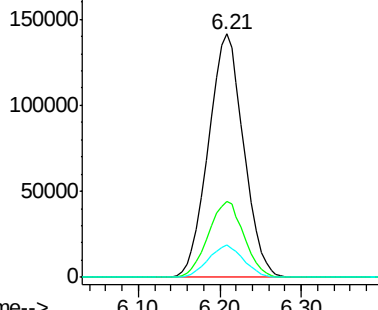
63 100

65 30.9 22.0 40.8

83 13.1 8.8 16.4



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 65.00 (64.70 to 65.70): VW
Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 55.755 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010181.D

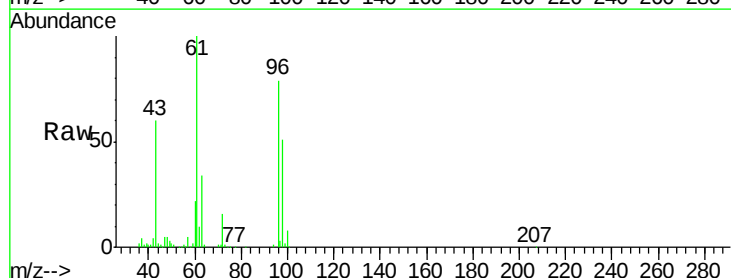
Acq: 29 Apr 2019 14:39

Tgt Ion: 43 Resp: 173984

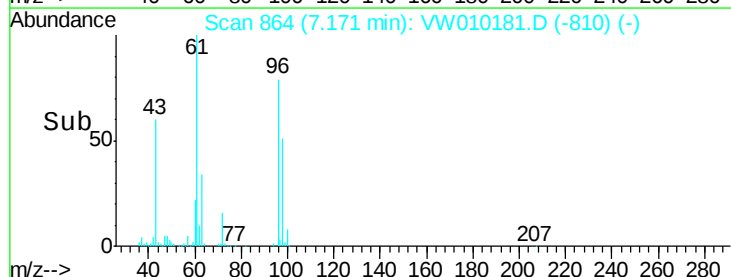
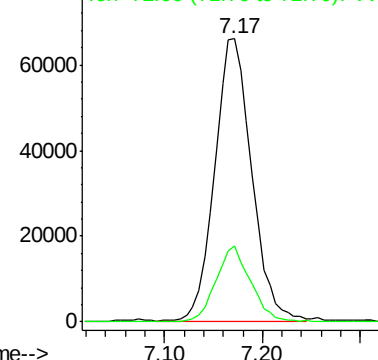
Ion Ratio Lower Upper

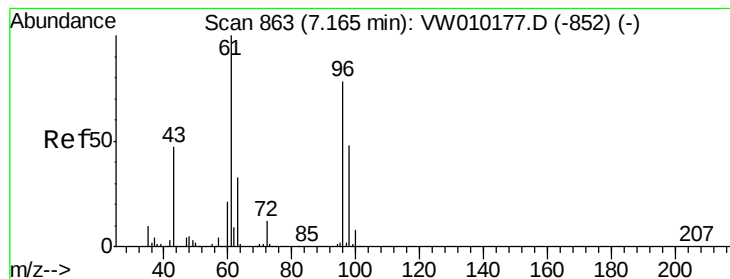
43 100

72 25.1 12.8 38.3



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



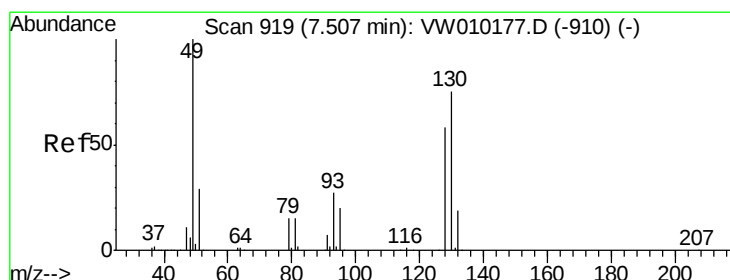
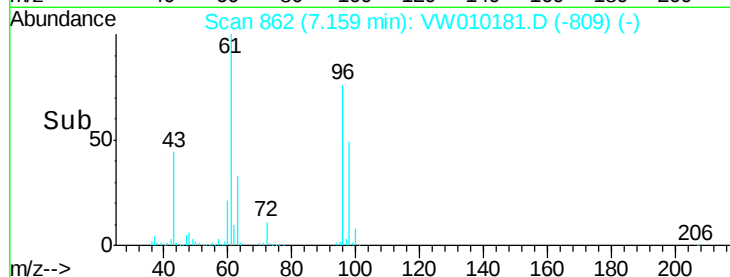
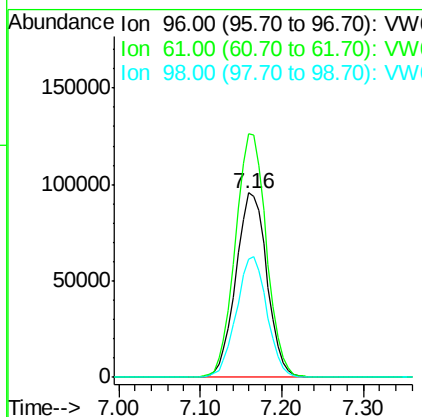
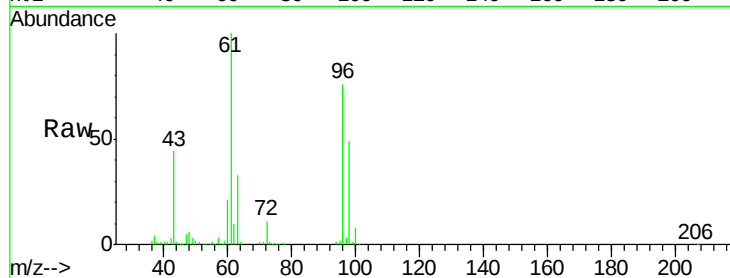


#22

cis-1,2-Dichloroethene
 Concen: 27.096 ug/L
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW010181.D
 Acq: 29 Apr 2019 14:39

Instrument :
 MSVOA_W
 ClientSampleId :

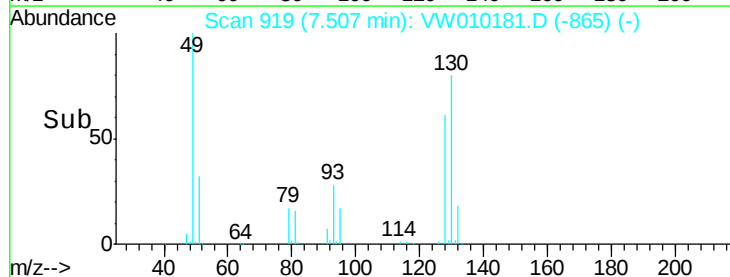
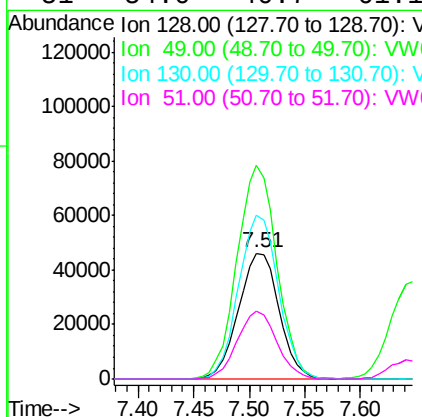
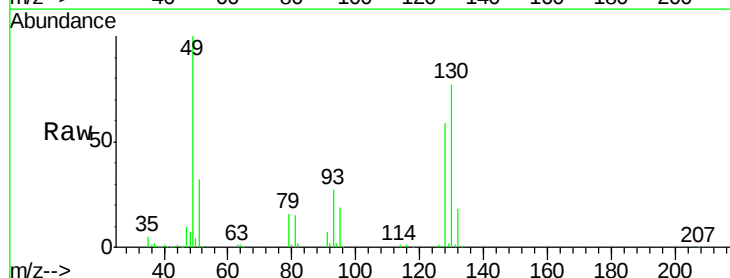
Tot Ion: 96 Resp: 252921
 Ion Ratio Lower Upper
 96 100
 61 132.2 90.0 167.2
 98 64.3 42.8 79.6

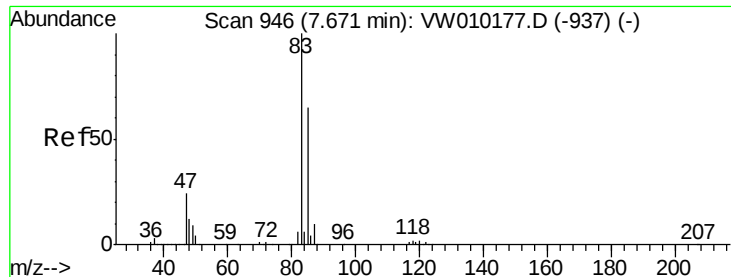


#23

Bromochloromethane
 Concen: 27.263 ug/L
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW010181.D
 Acq: 29 Apr 2019 14:39

Tgt Ion: 128 Resp: 117001
 Ion Ratio Lower Upper
 128 100
 49 169.8 121.7 225.9
 130 130.7 91.1 169.1
 51 54.0 40.7 61.1





#25

Chloroform

Concen: 26.578 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW010181.D

Acq: 29 Apr 2019 14:39

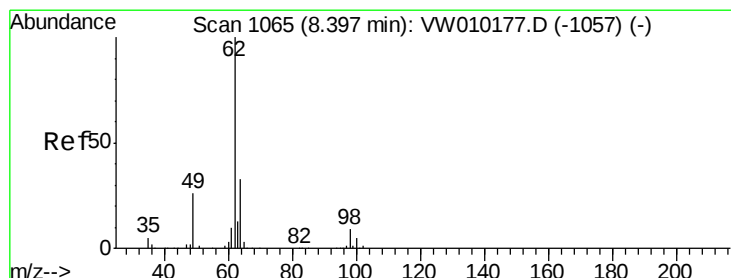
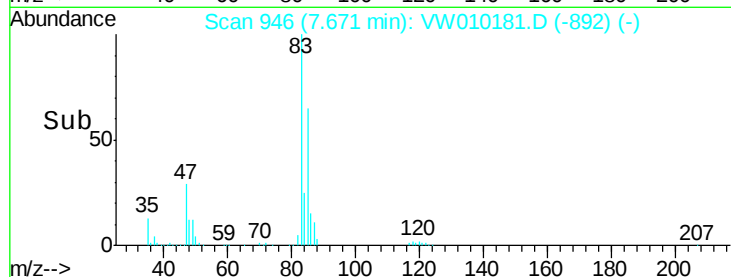
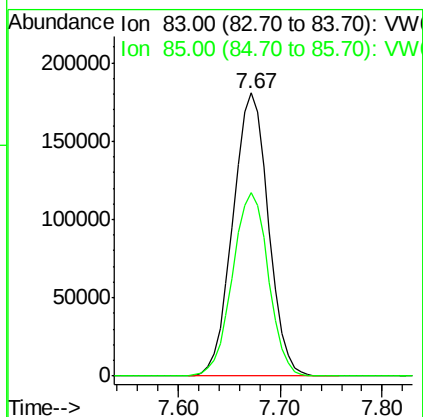
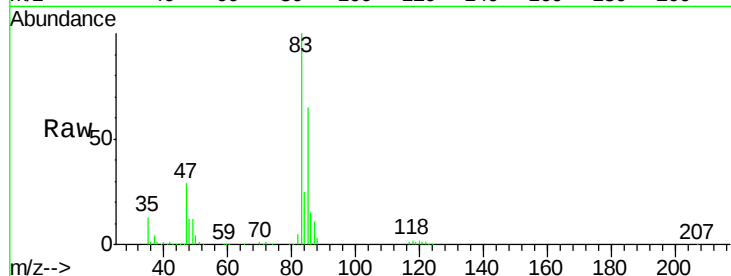
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 83 Resp: 436365

Ion Ratio Lower Upper

83 100

85 65.8 46.3 85.9



#27

1,2-Dichloroethane

Concen: 27.166 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW010181.D

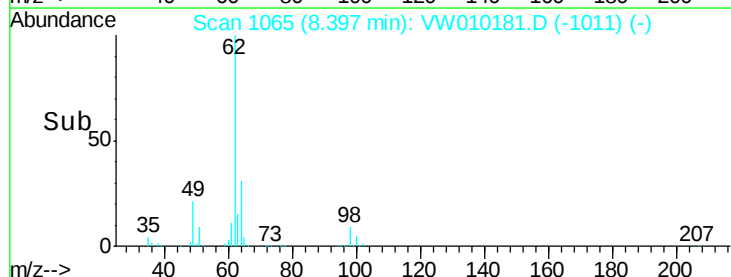
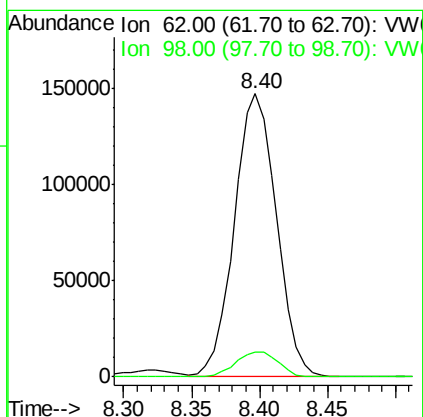
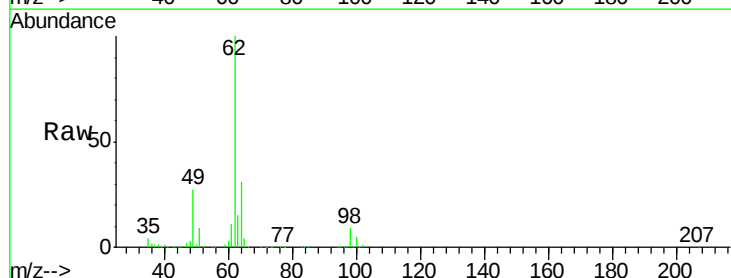
Acq: 29 Apr 2019 14:39

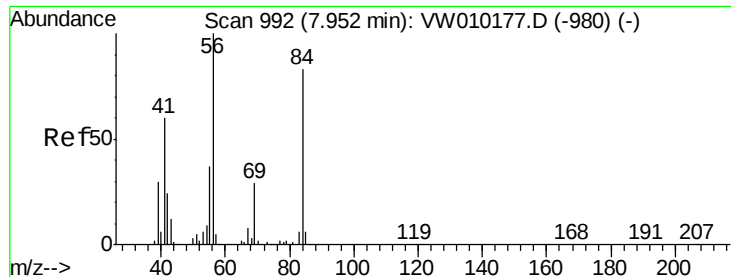
Tgt Ion: 62 Resp: 315661

Ion Ratio Lower Upper

62 100

98 8.8 7.0 10.6

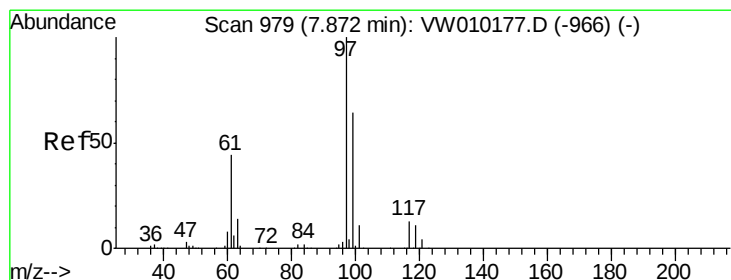
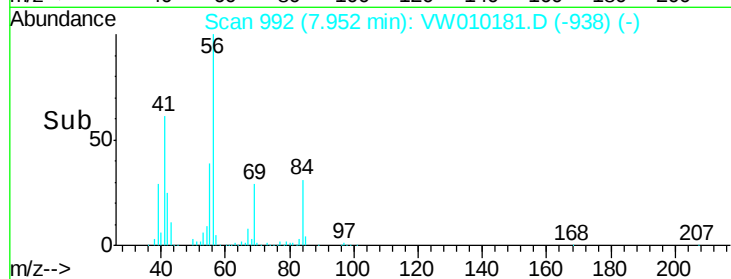
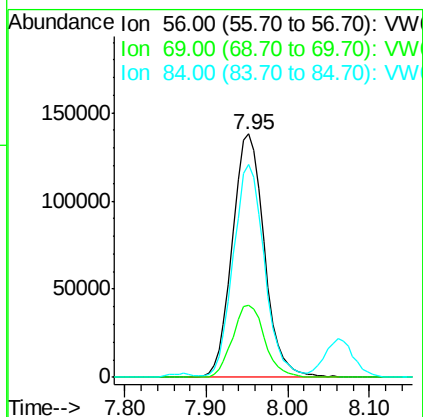
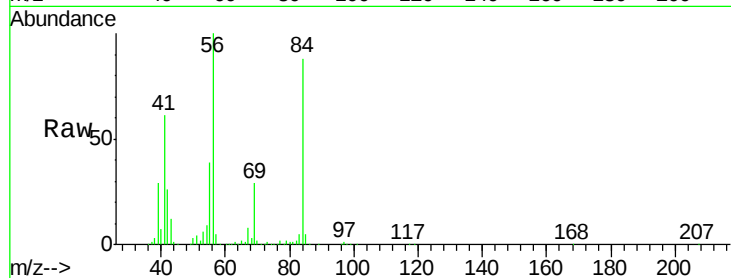




#30
Cyclohexane
Concen: 25.865 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW010181.D
Acq: 29 Apr 2019 14:39

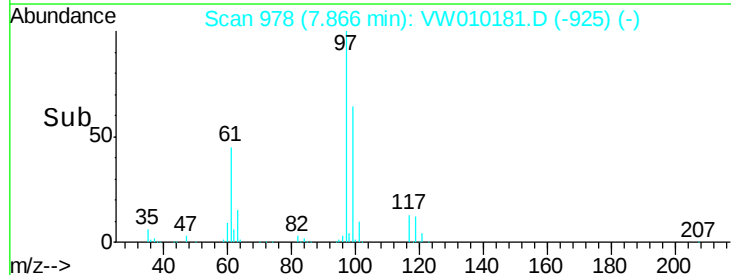
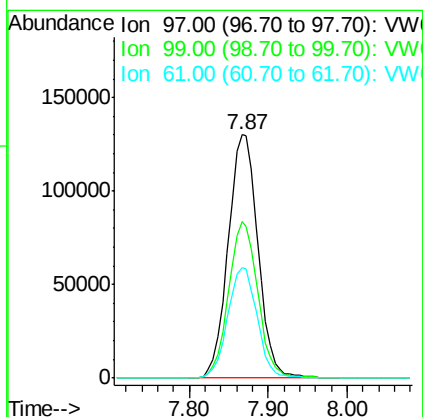
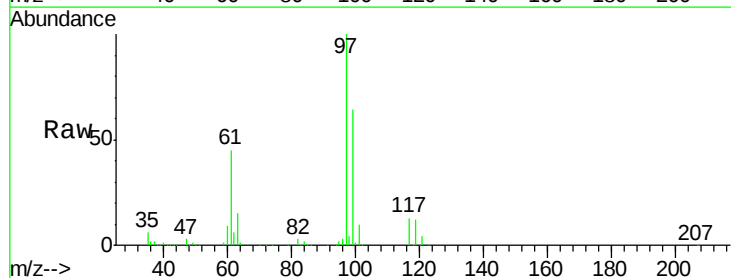
Instrument :
MSVOA_W
ClientSampleId :

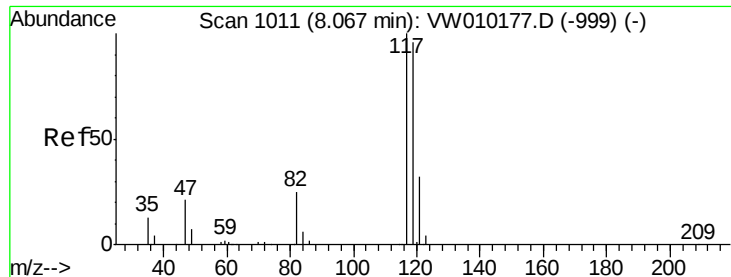
Tot Ion	Ratio	Lower	Upper
56	100		
69	29.9	23.4	35.2
84	85.6	67.0	100.6



#31
1,1,1-Trichloroethane
Concen: 25.544 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW010181.D
Acq: 29 Apr 2019 14:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.9	51.0	76.4
61	45.0	36.2	54.4





#32

Carbon tetrachloride

Concen: 24.946 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW010181.D

Acq: 29 Apr 2019 14:39

Instrument :

MSVOA_W

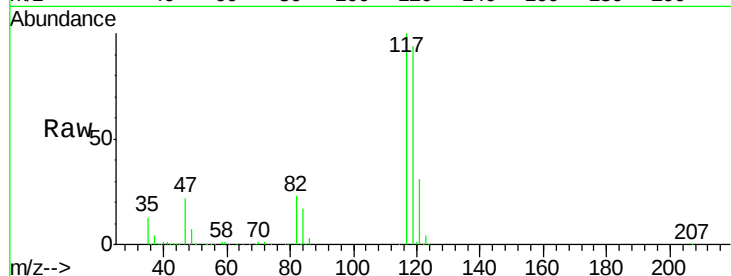
ClientSampled :

Tot Ion:117 Resp: 331056

Ion Ratio Lower Upper

117 100

119 96.6 77.1 115.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.06

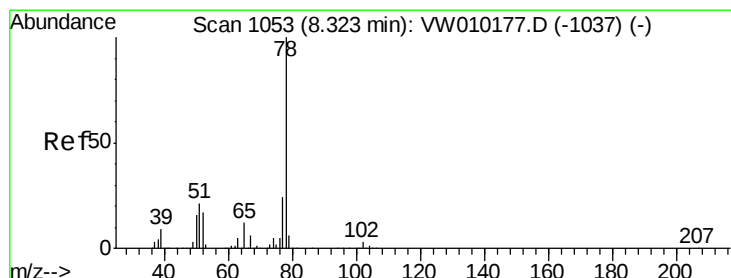
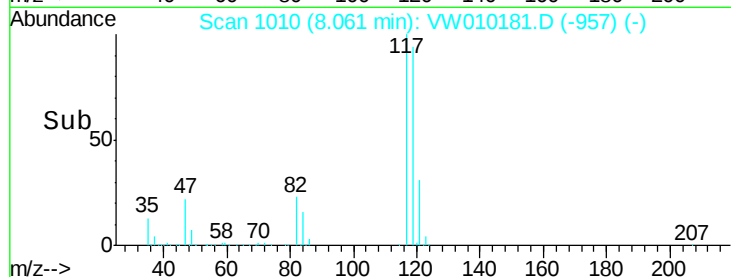
150000

100000

50000

0

Time-->



#34

Benzene

Concen: 26.211 ug/L

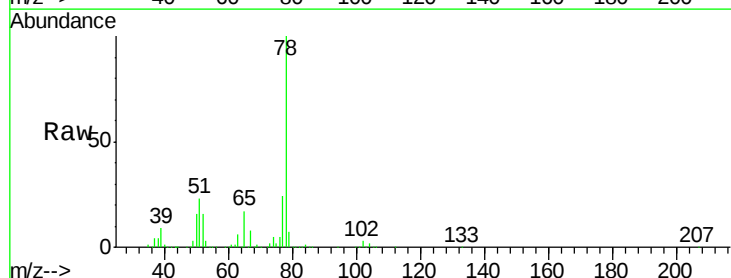
RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VW010181.D

Acq: 29 Apr 2019 14:39

Tgt Ion: 78 Resp: 941246



Abundance Ion 78.00 (77.70 to 78.70): VW

500000

400000

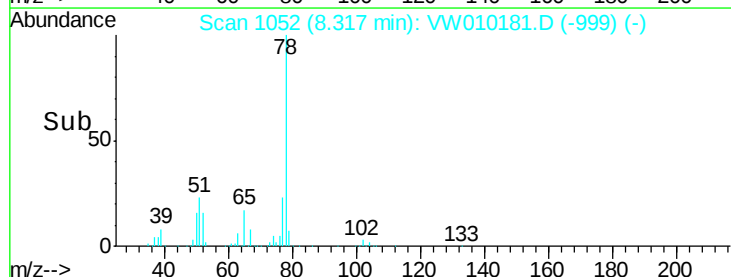
300000

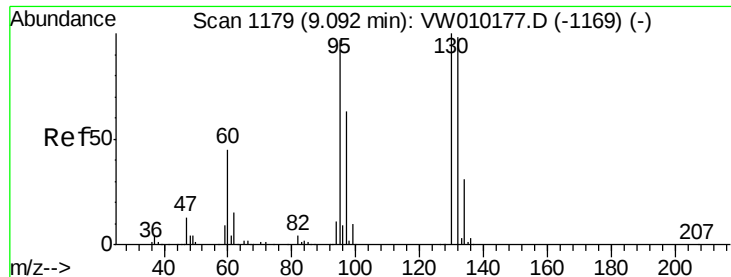
200000

100000

0

Time-->

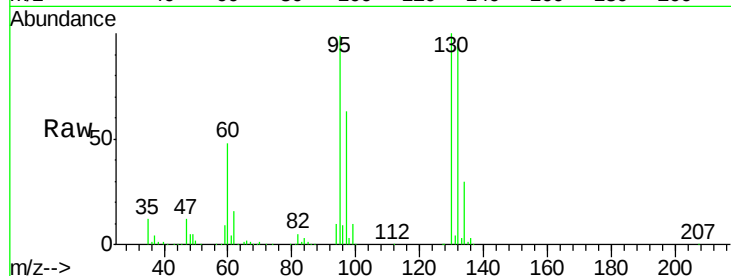




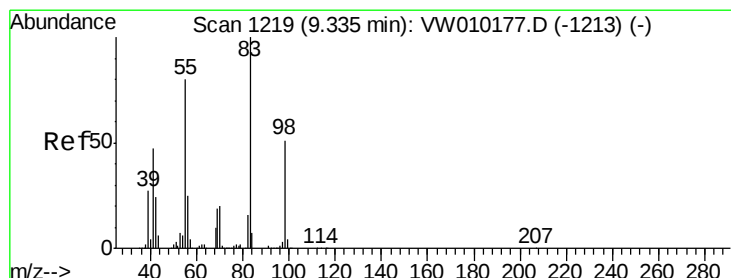
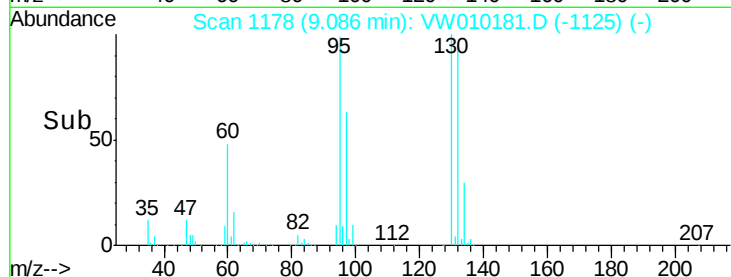
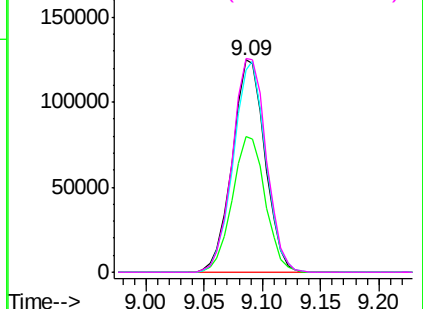
#35
 Trichloroethene
 Concen: 25.524 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: VW010181.D
 Acq: 29 Apr 2019 14:39

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	95	Resp:	244394
Ion	Ratio	Lower	Upper
95	100		
97	64.4	45.4	84.2
132	98.2	69.2	128.6
130	104.1	72.2	134.2

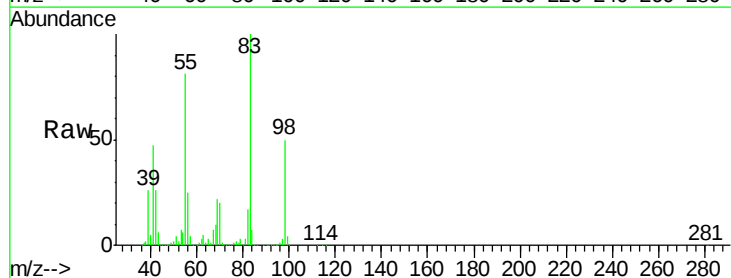


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

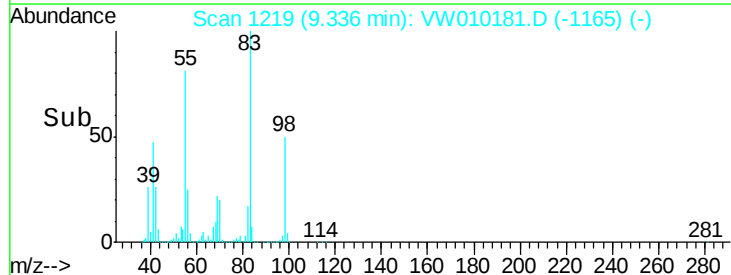
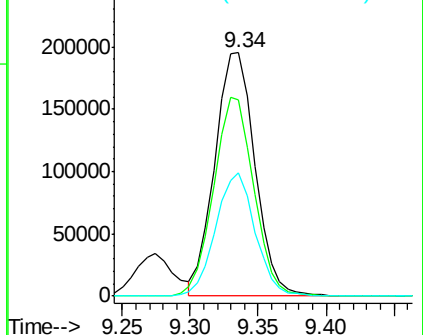


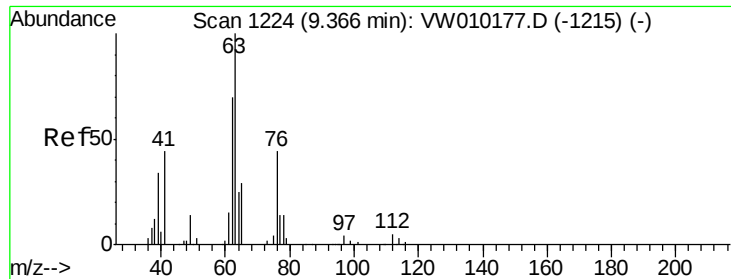
#36
 Methylcyclohexane
 Concen: 25.109 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW010181.D
 Acq: 29 Apr 2019 14:39

Tgt Ion:	83	Resp:	400092
Ion	Ratio	Lower	Upper
83	100		
55	81.9	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

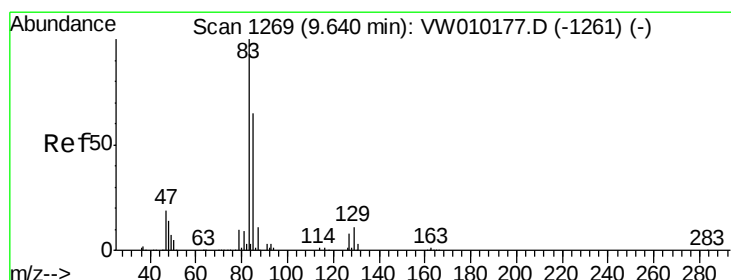
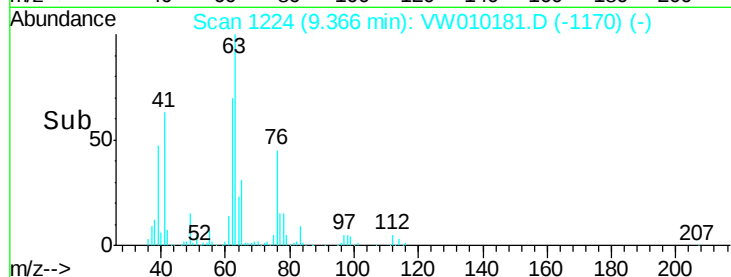
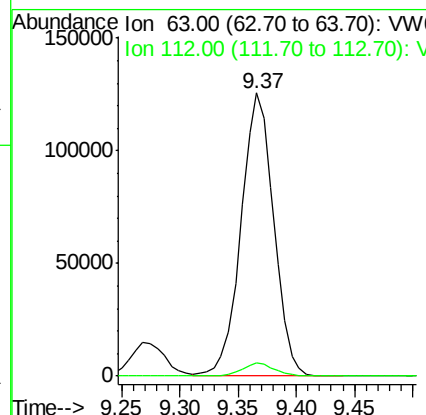
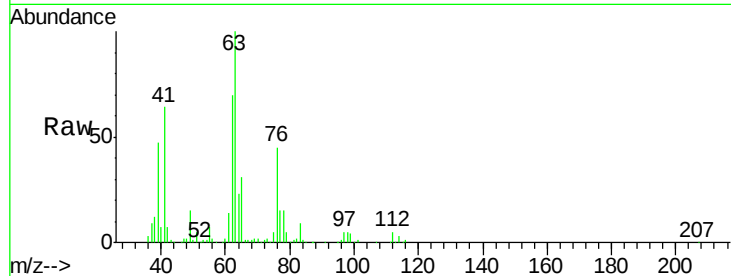




#40
 1,2-Dichloropropane
 Concen: 26.408 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW010181.D
 Acq: 29 Apr 2019 14:39

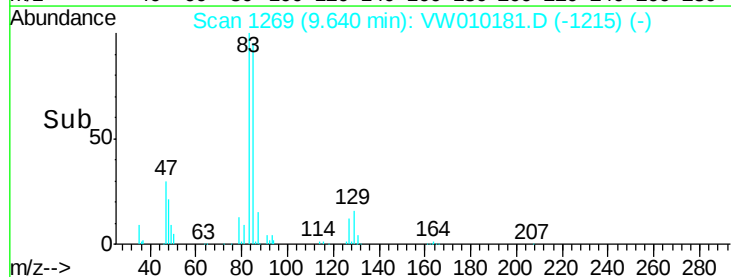
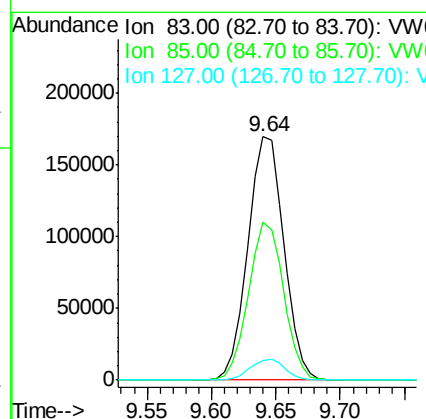
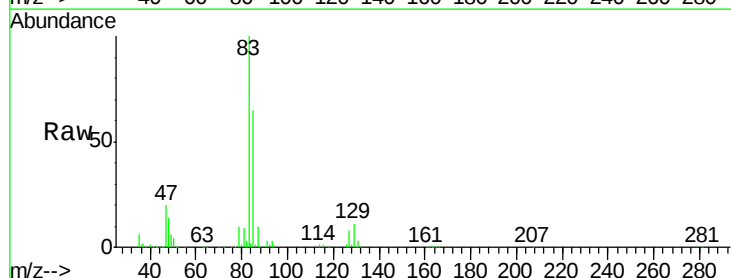
Instrument :
 MSVOA_W
 ClientSampled :

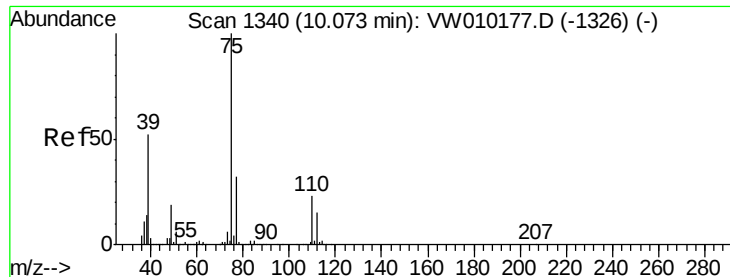
Tot Ion: 63 Resp: 246080
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.8 5.8



#41
 Bromodichloromethane
 Concen: 26.783 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW010181.D
 Acq: 29 Apr 2019 14:39

Tgt Ion: 83 Resp: 328127
 Ion Ratio Lower Upper
 83 100
 85 64.6 45.8 85.0
 127 8.0 6.6 10.0





#42

cis-1,3-Dichloropropene

Concen: 26.712 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010181.D

Acq: 29 Apr 2019 14:39

Instrument :

MSVOA_W

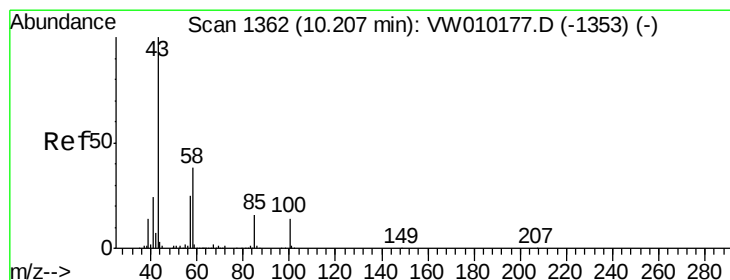
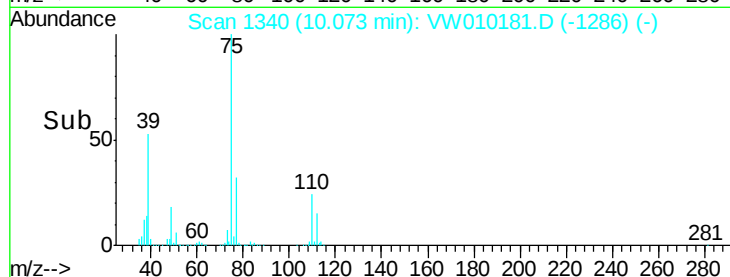
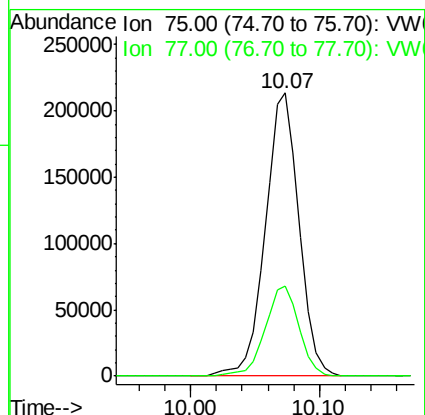
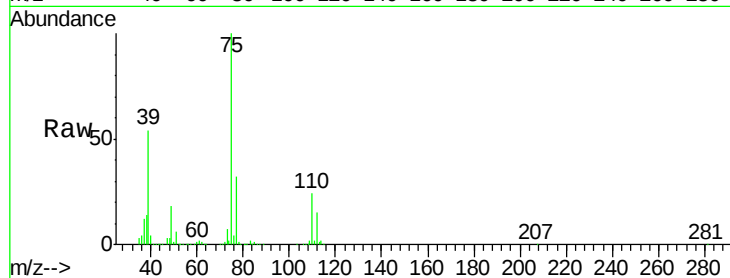
ClientSampled :

Tot Ion: 75 Resp: 387216

Ion Ratio Lower Upper

75 100

77 31.9 22.1 41.1



#43

4-Methyl-2-pentanone

Concen: 57.531 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW010181.D

Acq: 29 Apr 2019 14:39

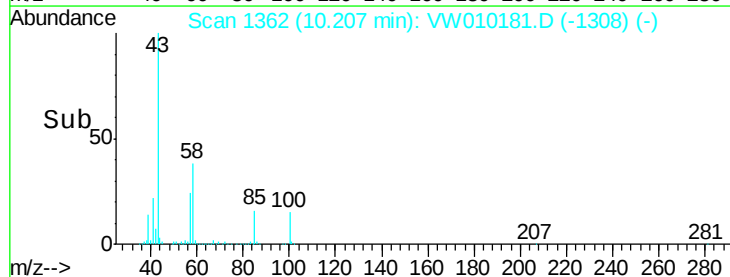
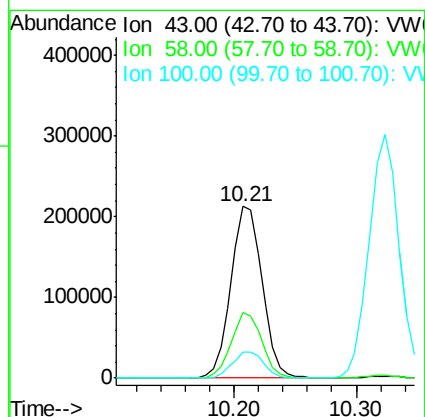
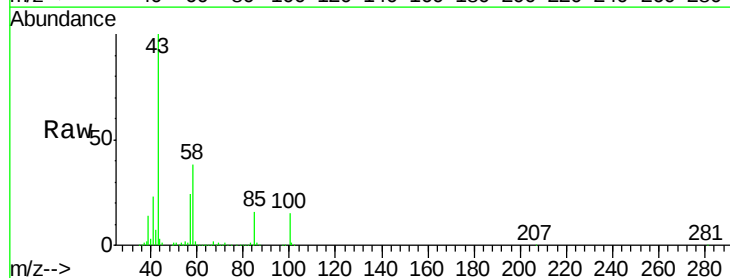
Tgt Ion: 43 Resp: 377835

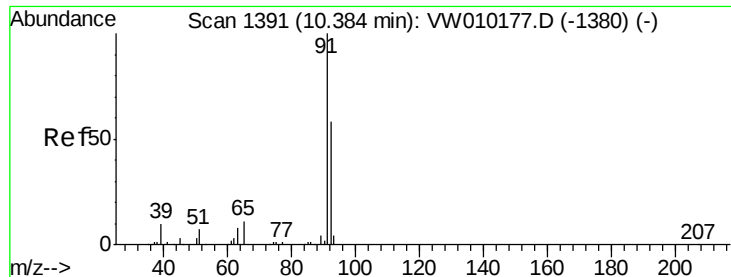
Ion Ratio Lower Upper

43 100

58 37.0 30.3 45.5

100 15.1 11.9 17.9





#44

Toluene

Concen: 26.472 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW010181.D

Acq: 29 Apr 2019 14:39

Instrument :

MSVOA_W

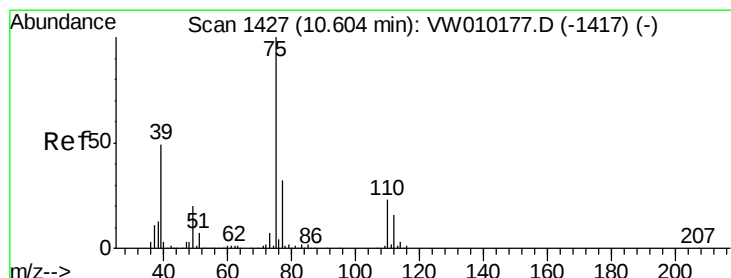
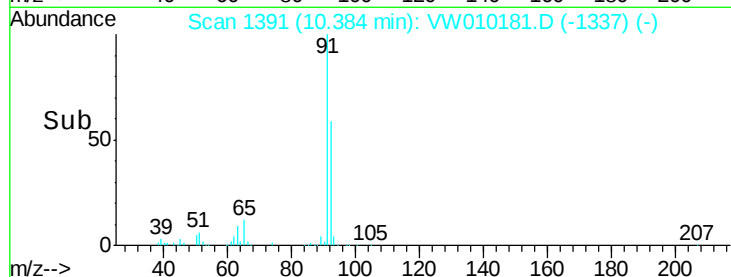
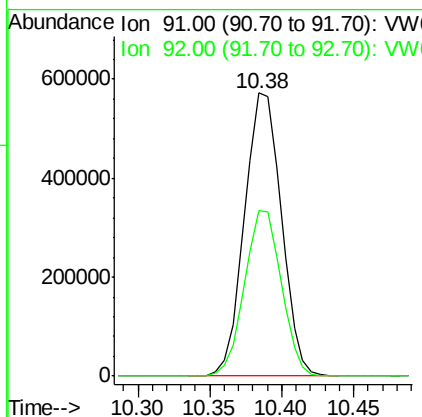
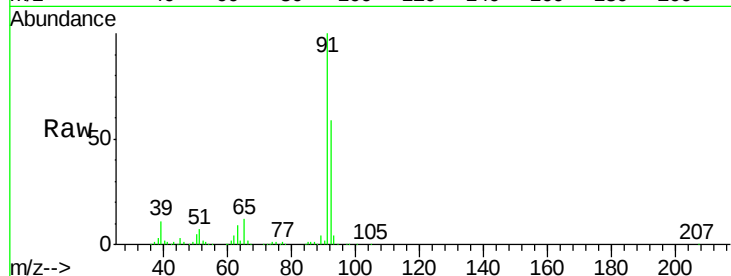
ClientSampleId :

Tot Ion: 91 Resp: 1017415

Ion Ratio Lower Upper

91 100

92 58.6 40.4 75.0



#45

trans-1,3-Dichloropropene

Concen: 26.989 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010181.D

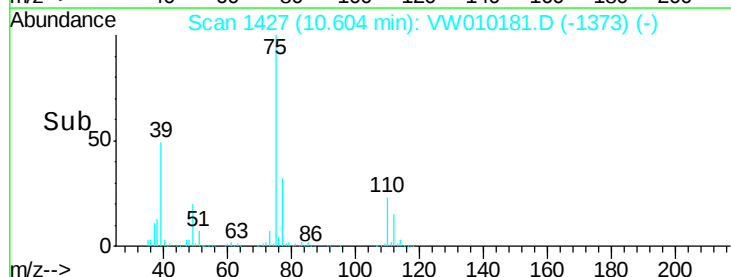
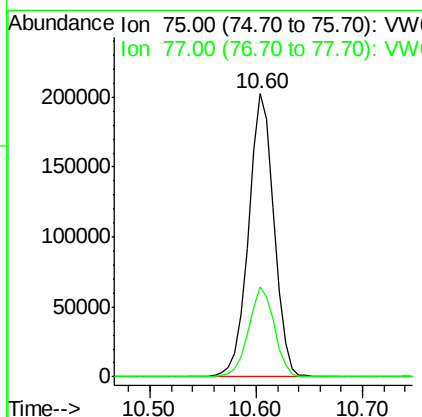
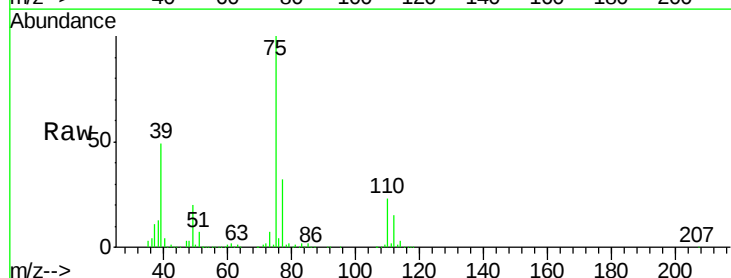
Acq: 29 Apr 2019 14:39

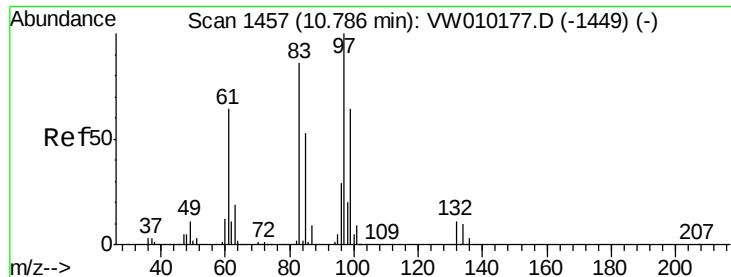
Tgt Ion: 75 Resp: 340359

Ion Ratio Lower Upper

75 100

77 31.7 22.4 41.6





#46

1,1,2-Trichloroethane

Concen: 26.874 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW010181.D

Acq: 29 Apr 2019 14:39

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 187169

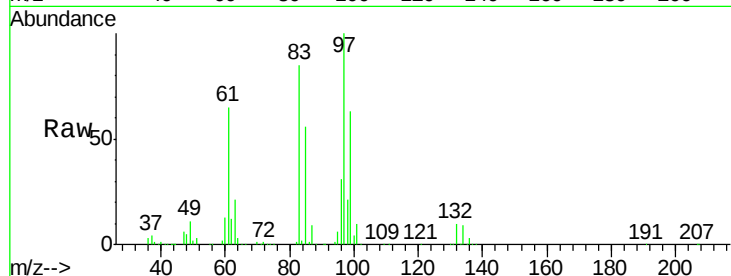
Ion Ratio Lower Upper

97 100

83 84.6 60.0 111.4

85 55.5 36.8 68.4

99 63.0 44.4 82.5

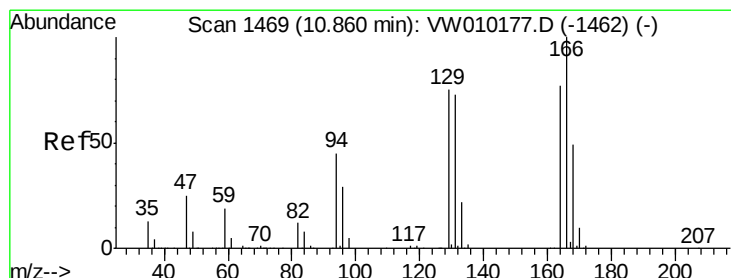
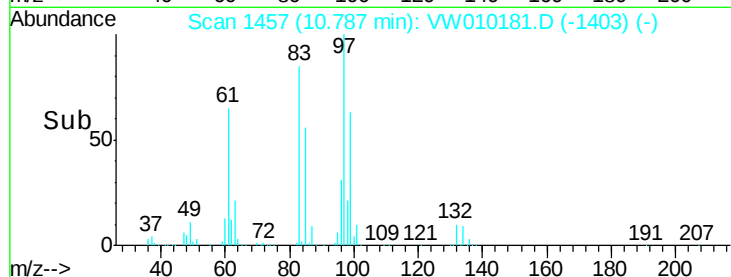
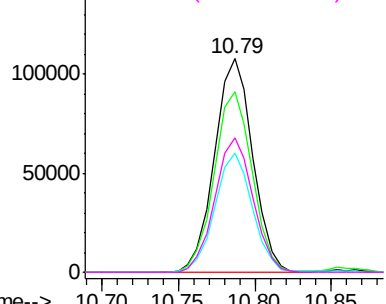


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 25.100 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW010181.D

Acq: 29 Apr 2019 14:39

Tgt Ion: 164 Resp: 199427

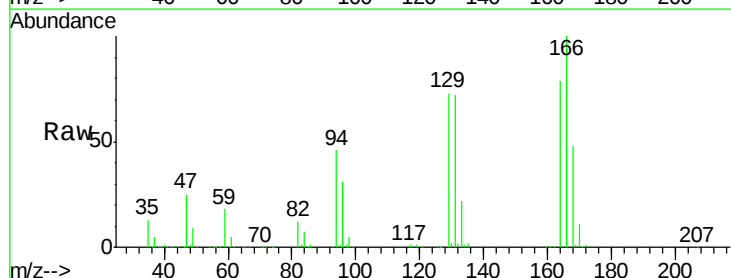
Ion Ratio Lower Upper

164 100

129 92.4 68.3 126.9

131 90.9 66.8 124.0

166 127.1 91.1 169.3

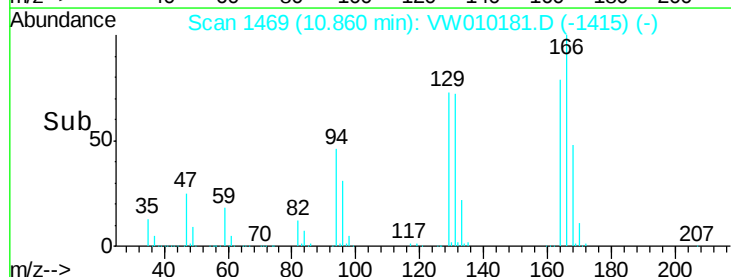
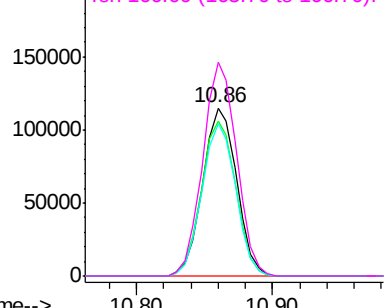


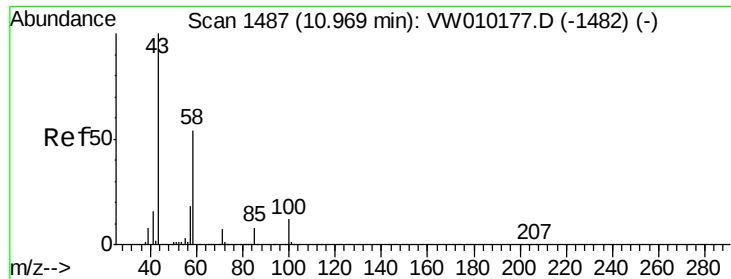
Abundance Ion 164.00 (163.70 to 164.70): V

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

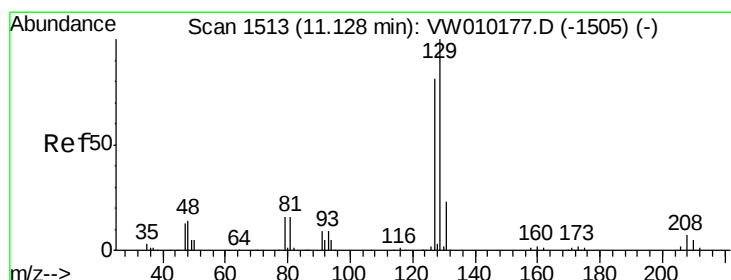
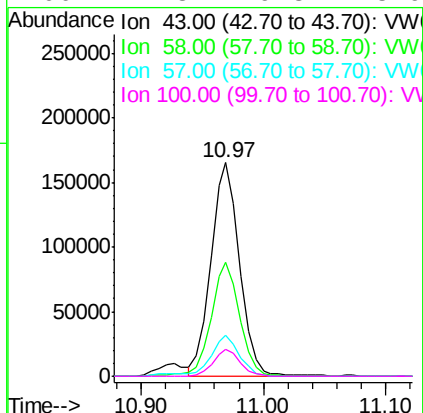
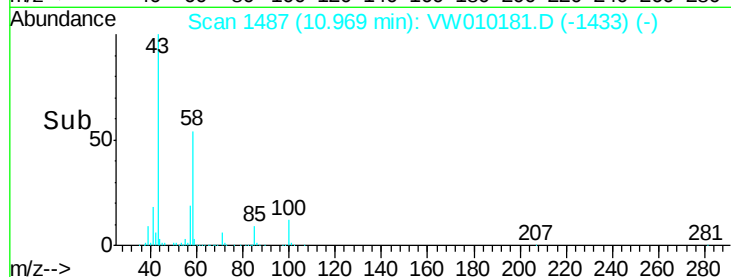
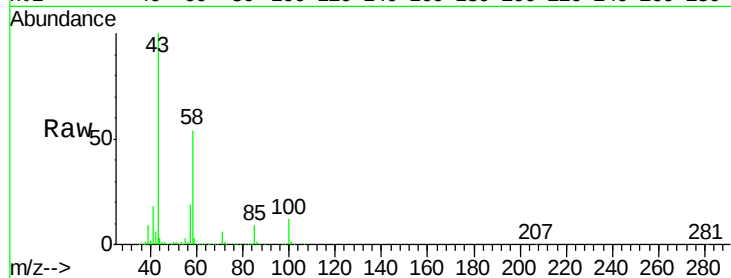




#49
2-Hexanone
Concen: 57.359 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010181.D
Acq: 29 Apr 2019 14:39

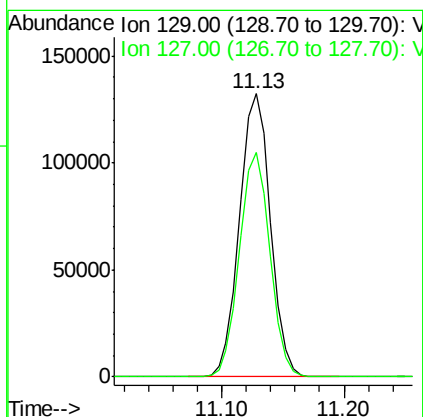
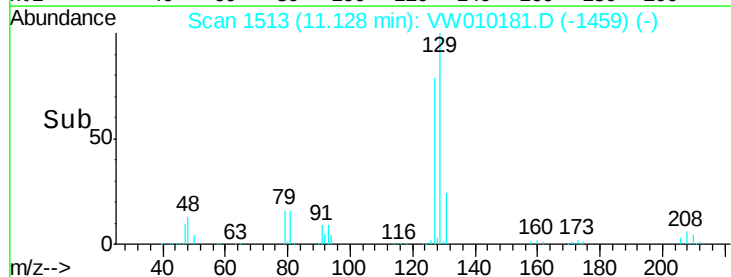
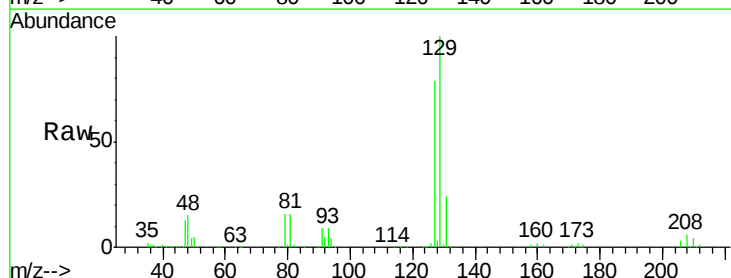
Instrument :
MSVOA_W
ClientSampled :

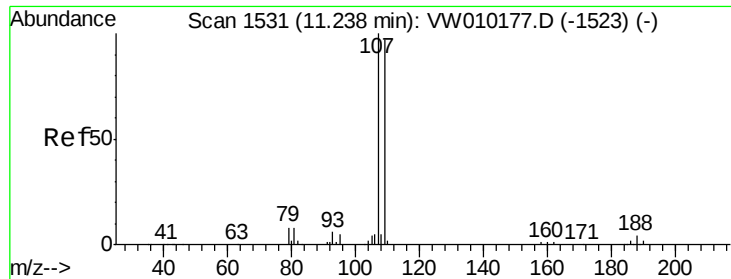
Tot Ion	Ratio	Lower	Upper
43	100		
58	53.6	41.4	62.2
57	18.6	14.8	22.2
100	11.8	9.3	13.9



#50
Dibromochloromethane
Concen: 26.936 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010181.D
Acq: 29 Apr 2019 14:39

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.2	56.4	104.8

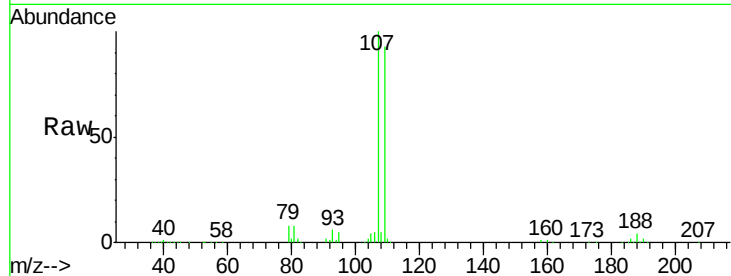




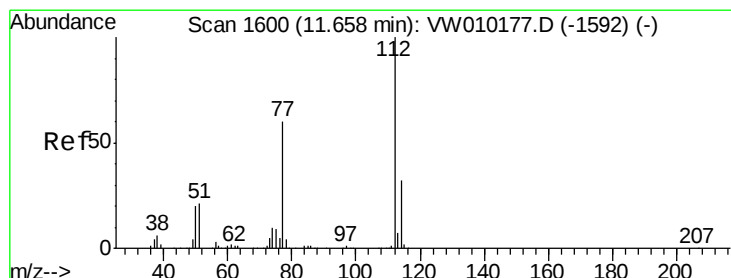
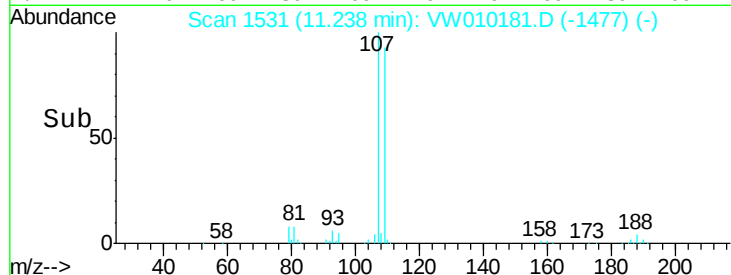
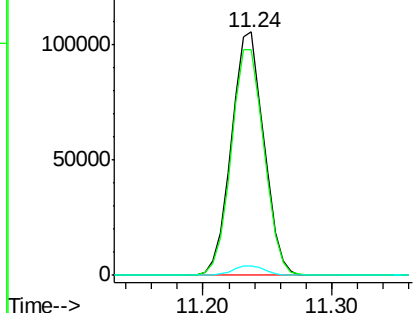
#51
1,2-Dibromoethane
Concen: 27.210 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW010181.D
Acq: 29 Apr 2019 14:39

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:107 Resp: 185524
Ion Ratio Lower Upper
107 100
109 92.8 68.3 126.9
188 4.2 3.3 4.9

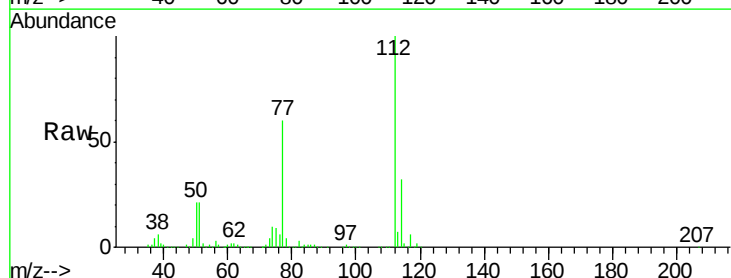


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

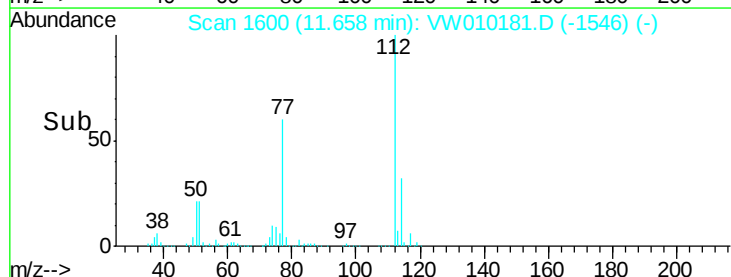
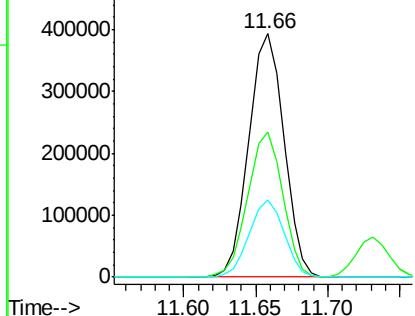


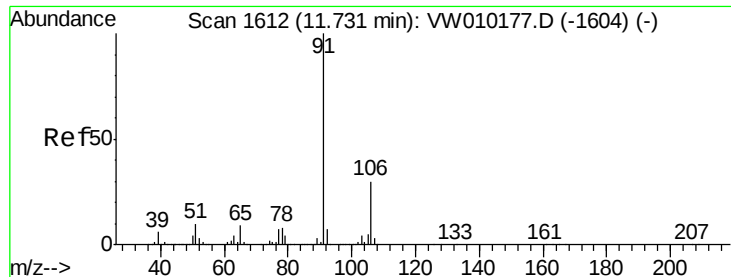
#52
Chlorobenzene
Concen: 26.387 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW010181.D
Acq: 29 Apr 2019 14:39

Tgt Ion:112 Resp: 664320
Ion Ratio Lower Upper
112 100
77 59.8 48.2 72.2
114 31.6 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

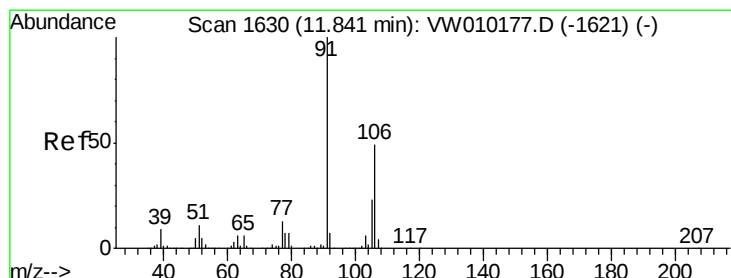
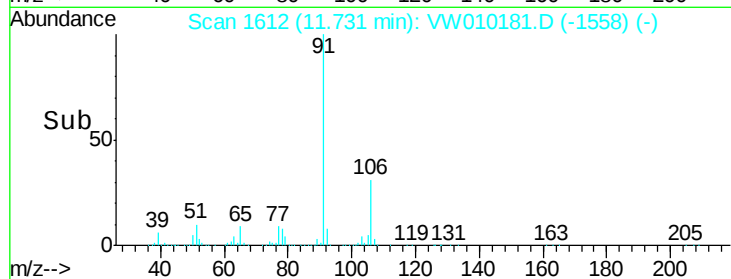
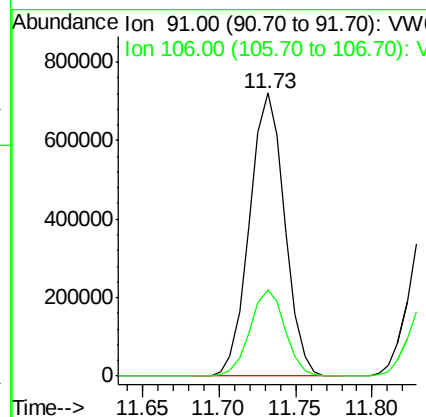
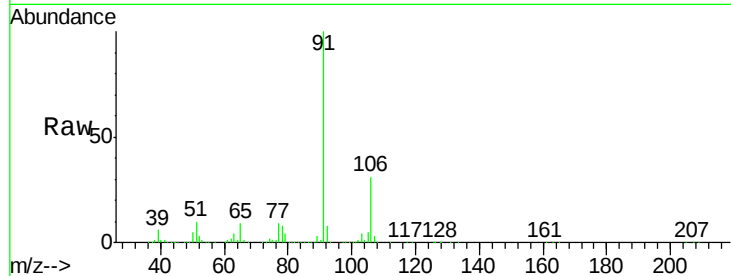




#53
Ethylbenzene
Concen: 26.508 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010181.D
Acq: 29 Apr 2019 14:39

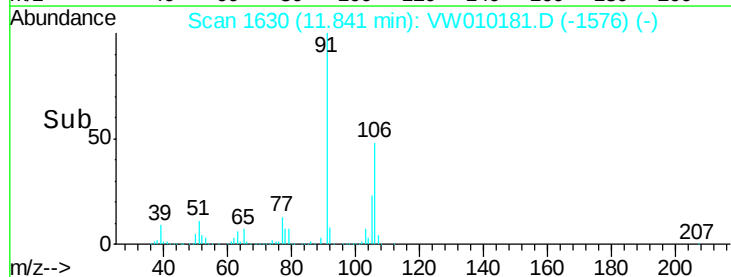
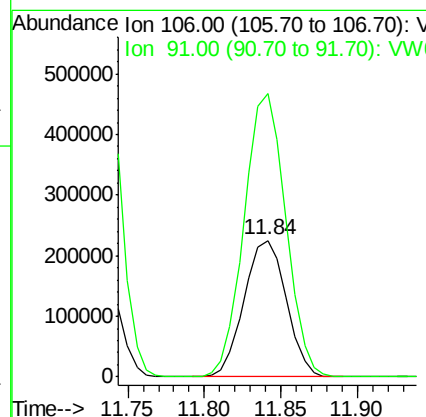
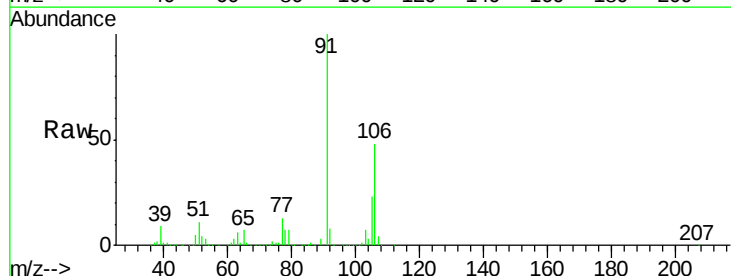
Instrument :
MSVOA_W
ClientSampled :

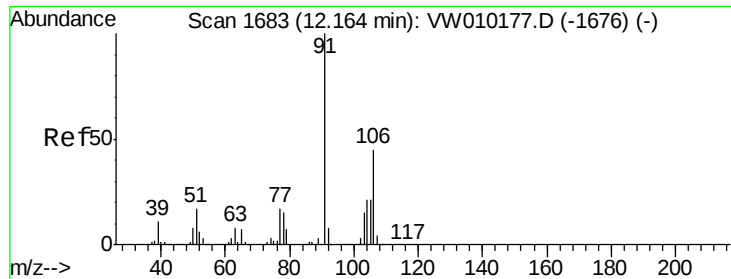
Tot Ion: 91 Resp: 1153440
Ion Ratio Lower Upper
91 100
106 30.5 21.3 39.6



#54
m,p-Xylene
Concen: 26.508 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010181.D
Acq: 29 Apr 2019 14:39

Tgt Ion: 106 Resp: 434095
Ion Ratio Lower Upper
106 100
91 207.1 143.8 267.0





#55

o-xylene

Concen: 27.122 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW010181.D

Acq: 29 Apr 2019 14:39

Instrument :

MSVOA_W

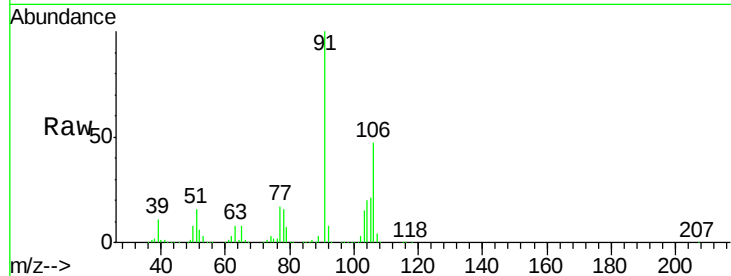
ClientSampled :

Tot Ion:106 Resp: 419850

Ion Ratio Lower Upper

106 100

91 214.2 156.2 290.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

600000

500000

400000

300000

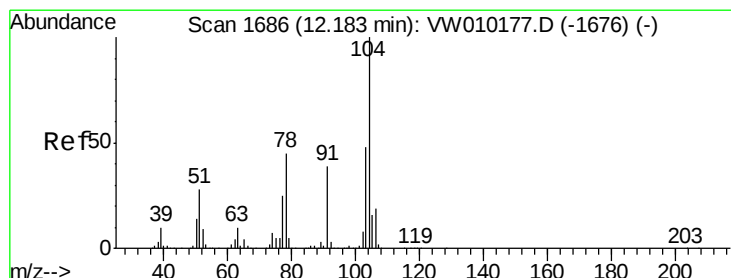
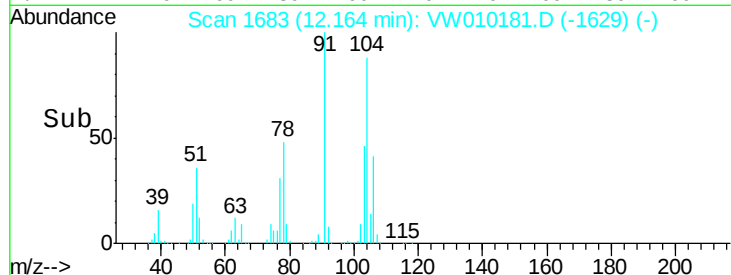
200000

100000

0

12.10 12.15 12.20 12.25

Time-->



#56

Styrene

Concen: 27.276 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW010181.D

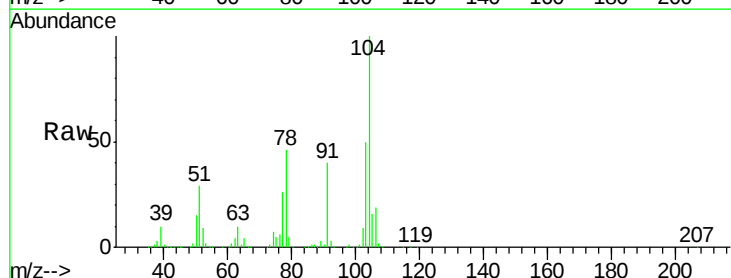
Acq: 29 Apr 2019 14:39

Tgt Ion:104 Resp: 731229

Ion Ratio Lower Upper

104 100

78 46.1 31.9 59.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

500000

400000

300000

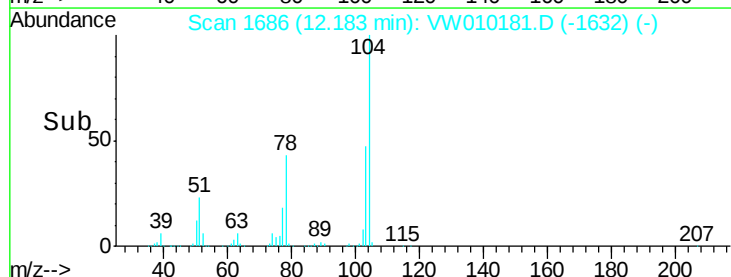
200000

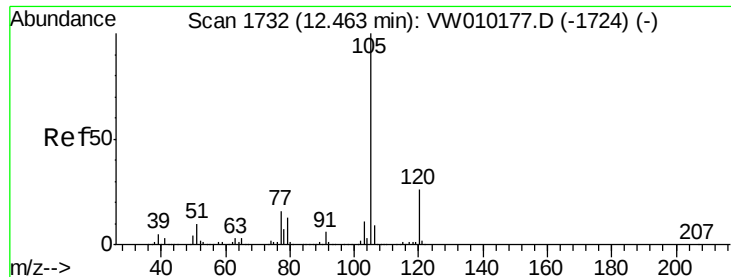
100000

0

12.10 12.20

Time-->





#57

Isopropylbenzene

Concen: 26.583 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW010181.D

Acq: 29 Apr 2019 14:39

Instrument :

MSVOA_W

ClientSampled :

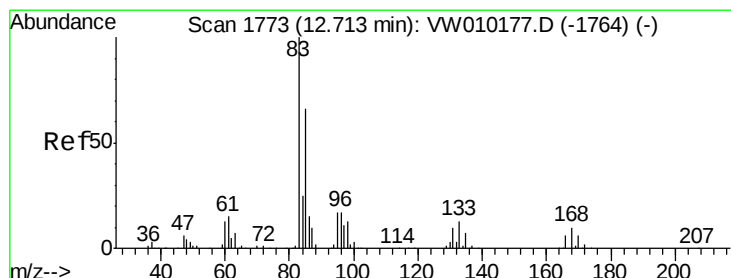
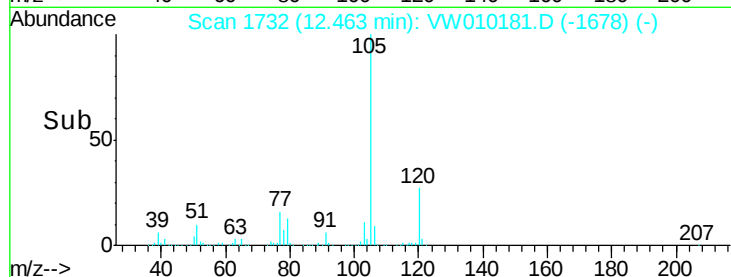
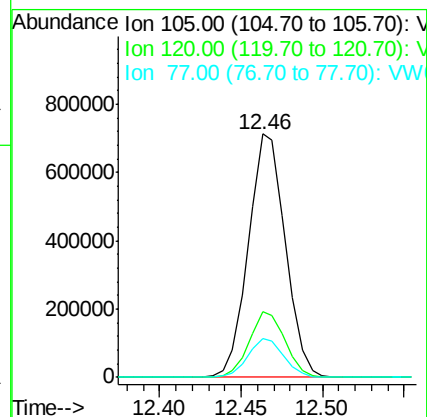
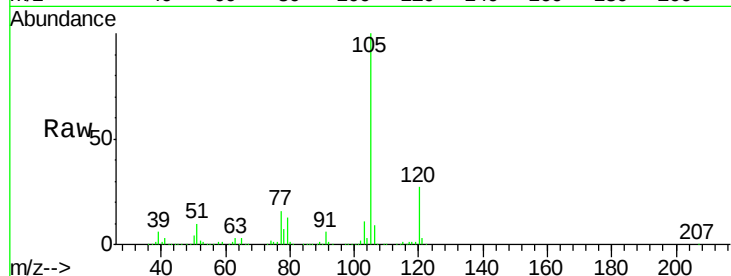
Tot Ion:105 Resp: 1119812

Ion Ratio Lower Upper

105 100

120 26.3 20.9 31.3

77 15.6 12.6 19.0



#58

1,1,2,2-Tetrachloroethane

Concen: 26.604 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW010181.D

Acq: 29 Apr 2019 14:39

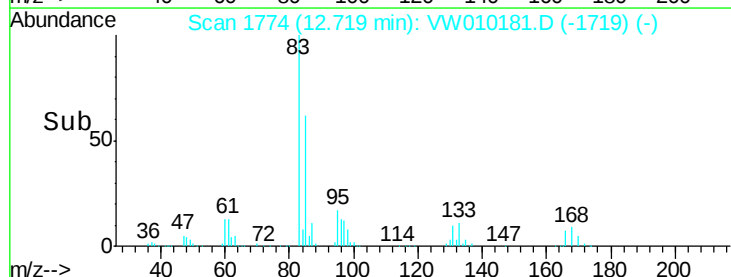
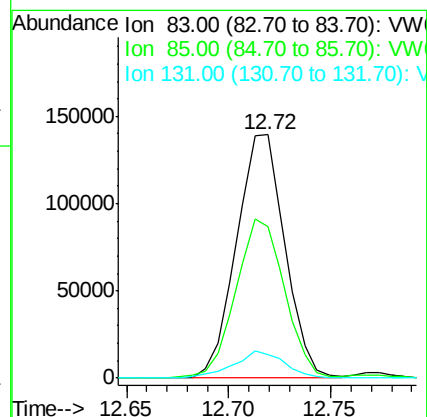
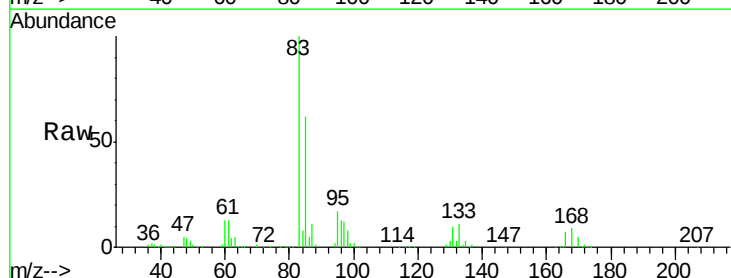
Tgt Ion: 83 Resp: 230750

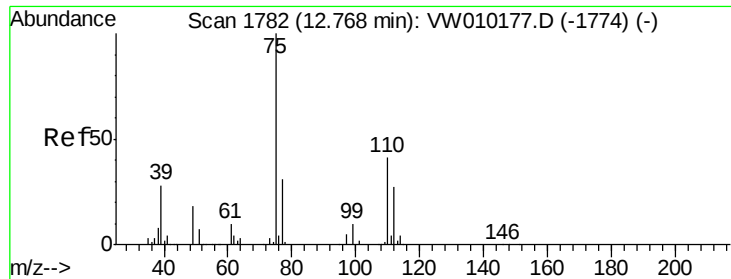
Ion Ratio Lower Upper

83 100

85 62.2 46.5 86.5

131 9.8 8.0 12.0

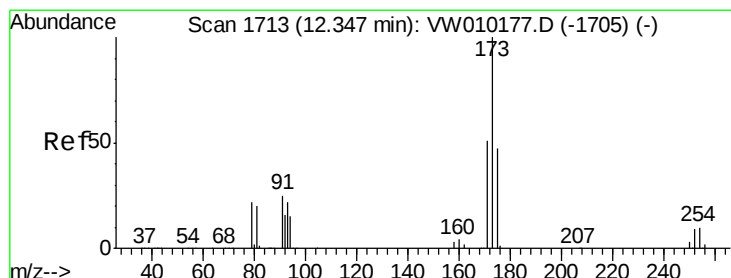
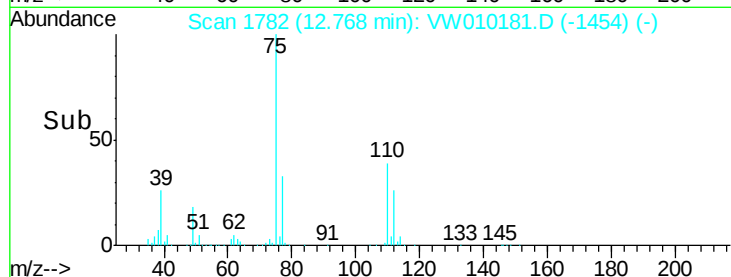
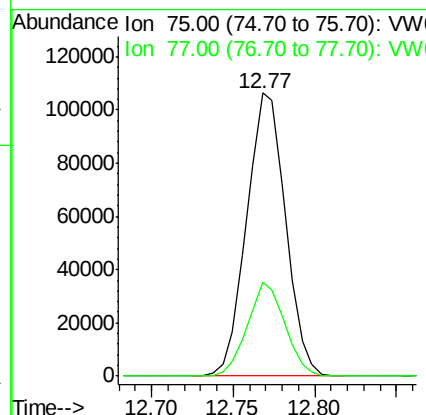
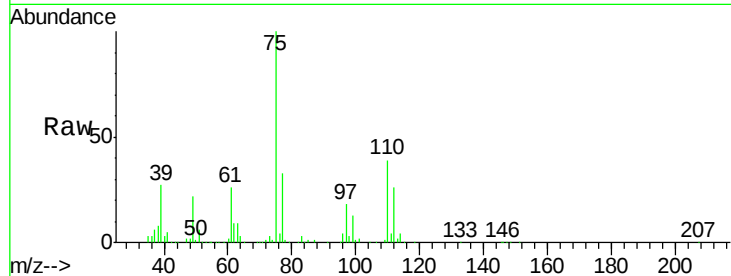




#59
 1,2,3-Trichloropropane
 Concen: 27.324 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW010181.D
 Acq: 29 Apr 2019 14:39

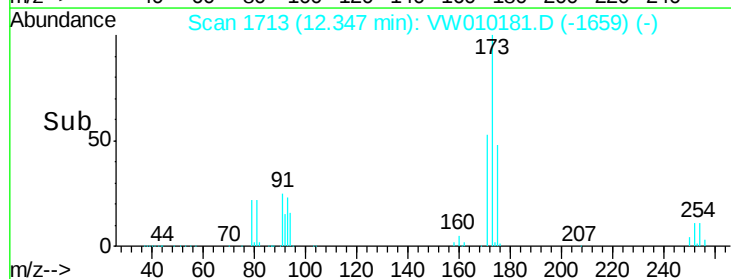
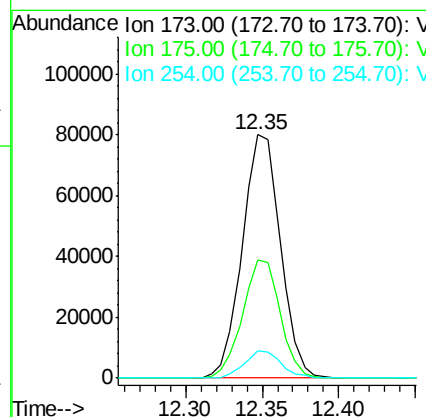
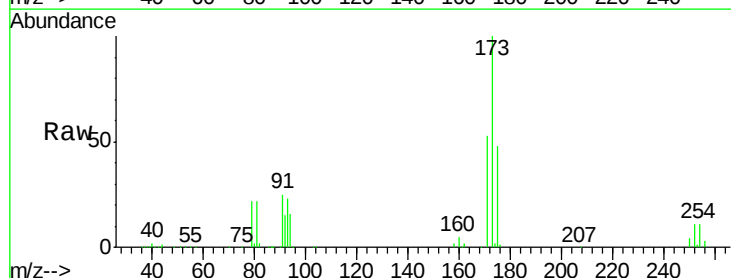
Instrument :
 MSVOA_W
 ClientSampleId :

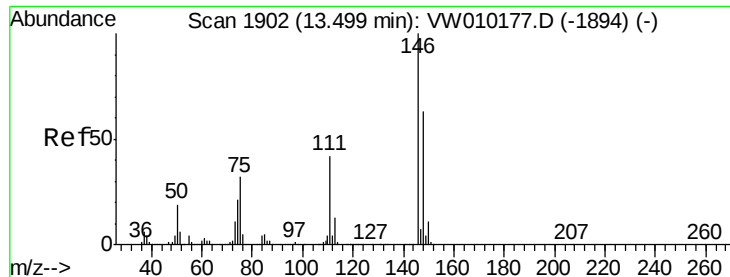
Tot Ion: 75 Resp: 176677
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.0 37.4



#62
 Bromoform
 Concen: 26.768 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: VW010181.D
 Acq: 29 Apr 2019 14:39

Tgt Ion: 173 Resp: 138414
 Ion Ratio Lower Upper
 173 100
 175 48.0 38.6 57.8
 254 10.8 8.0 12.0





#63

1,3-Dichlorobenzene

Concen: 26.315 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010181.D

Acq: 29 Apr 2019 14:39

Instrument :

MSVOA_W

ClientSampled :

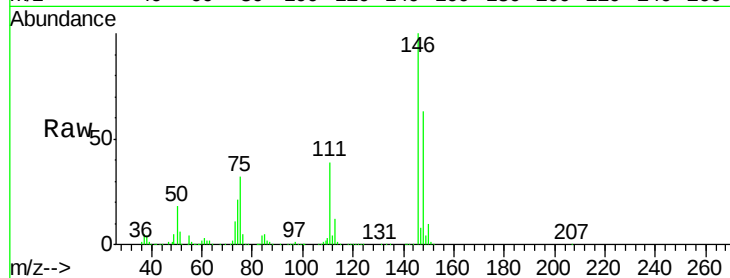
Tot Ion:146 Resp: 511426

Ion Ratio Lower Upper

146 100

111 39.4 29.3 54.5

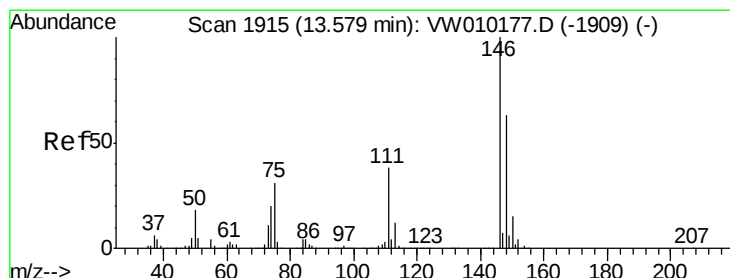
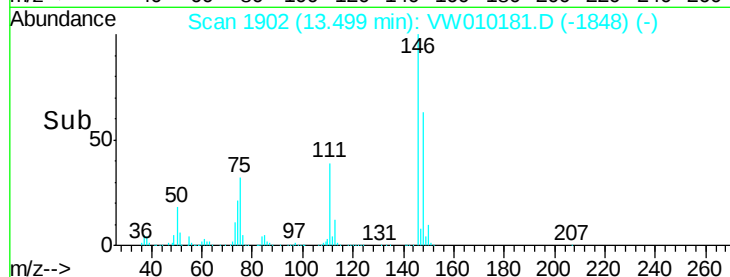
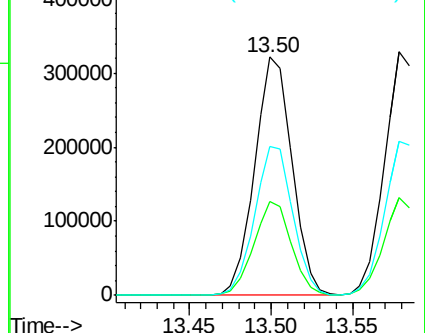
148 62.8 44.3 82.3



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



#64

1,4-Dichlorobenzene

Concen: 25.639 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW010181.D

Acq: 29 Apr 2019 14:39

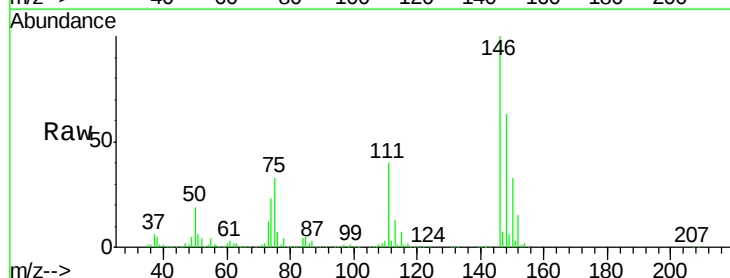
Tgt Ion:146 Resp: 523875

Ion Ratio Lower Upper

146 100

111 40.0 26.5 49.1

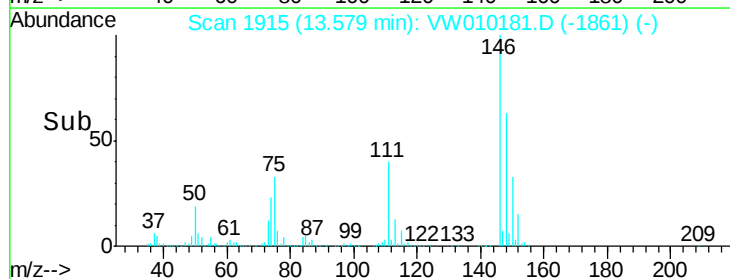
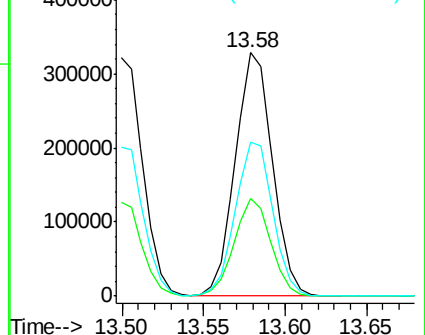
148 63.2 43.9 81.5

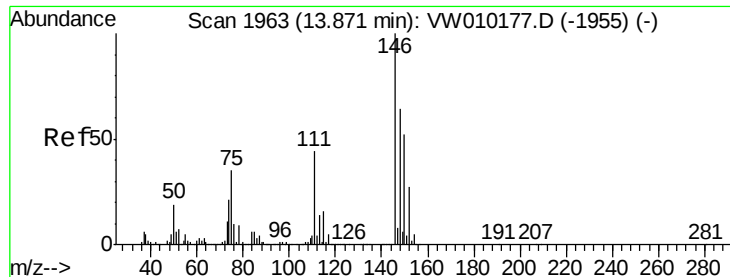


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

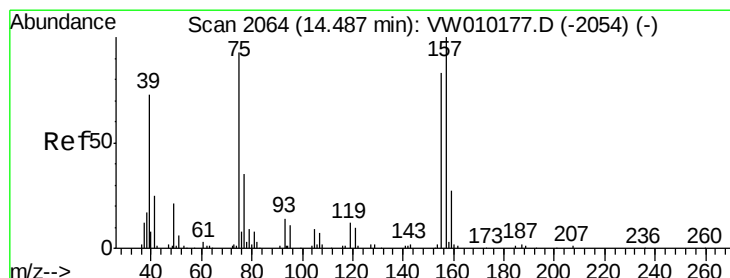
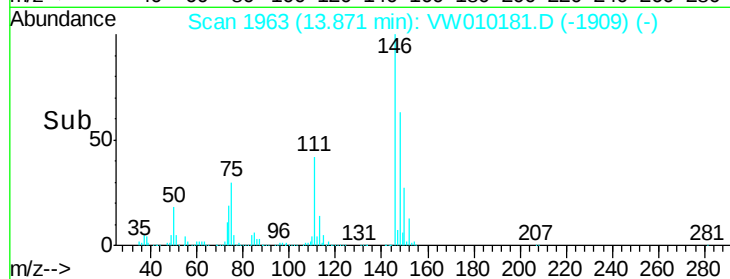
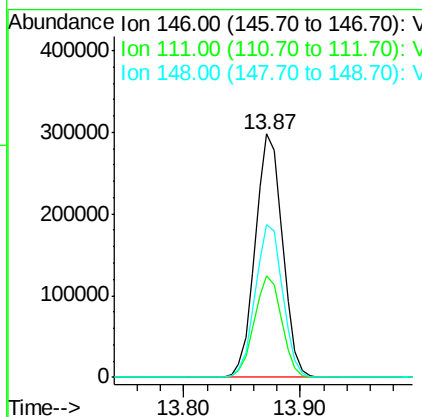
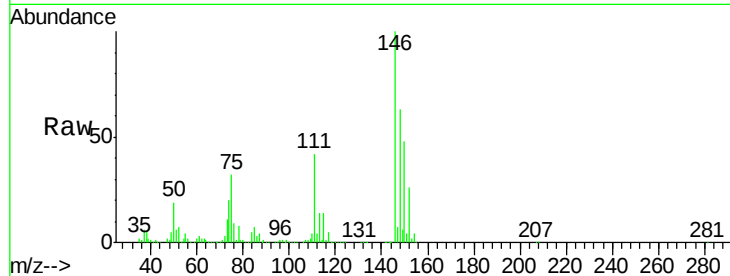




#65
 1,2-Dichlorobenzene
 Concen: 26.655 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010181.D
 Acq: 29 Apr 2019 14:39

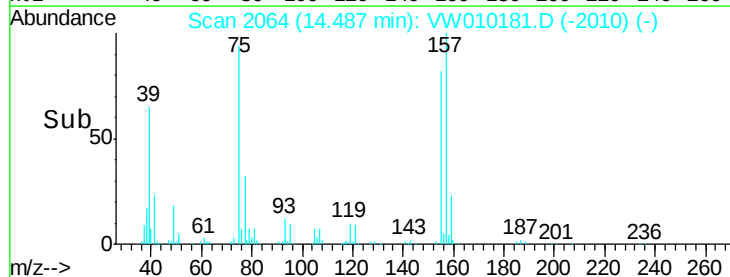
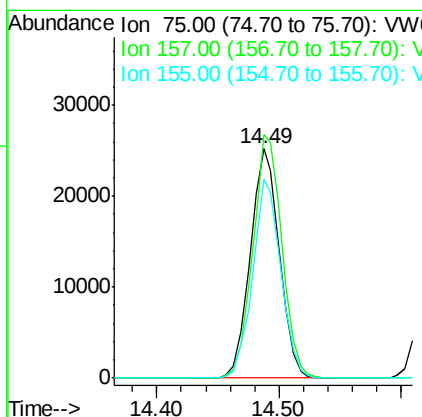
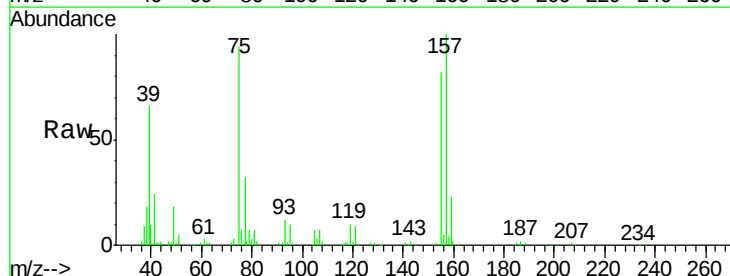
Instrument :
 MSVOA_W
 ClientSampleId :

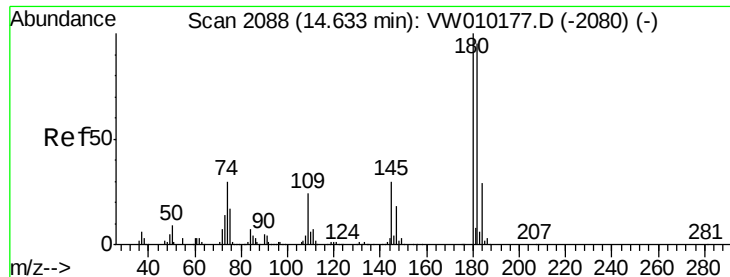
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	35.0	52.4
148	62.6	51.2	76.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 27.280 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010181.D
 Acq: 29 Apr 2019 14:39

Tgt Ion	Ratio	Lower	Upper
75	100		
157	106.4	85.7	128.5
155	86.9	70.8	106.2

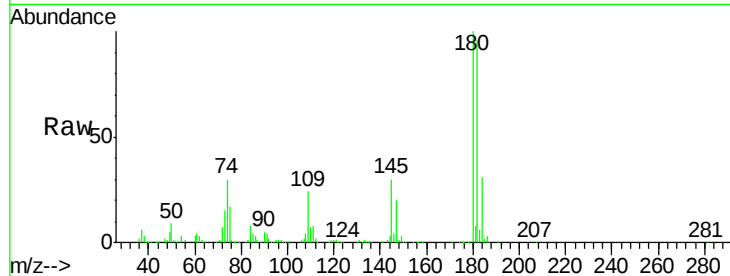




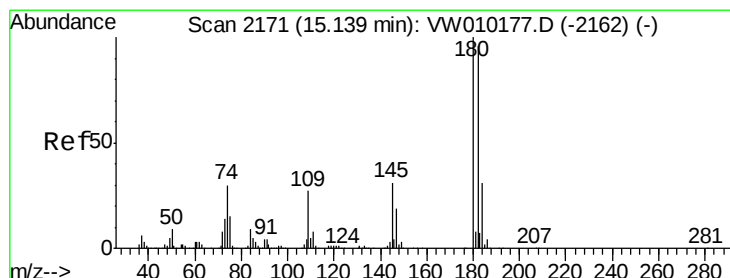
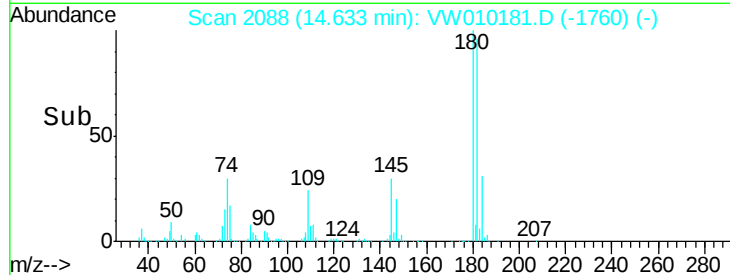
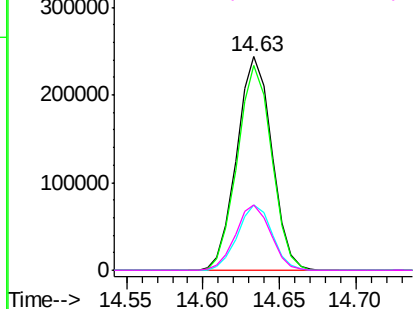
#67
 1,3,5-Trichlorobenzene
 Concen: 25.883 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW010181.D
 Acq: 29 Apr 2019 14:39

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180 Resp: 387042
 Ion Ratio Lower Upper
 180 100
 182 94.3 75.7 113.5
 184 30.1 23.8 35.6
 145 30.4 23.8 35.8

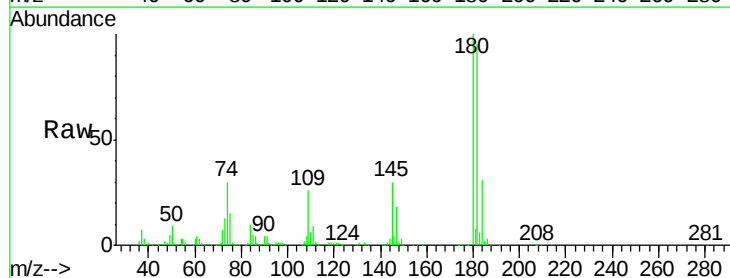


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

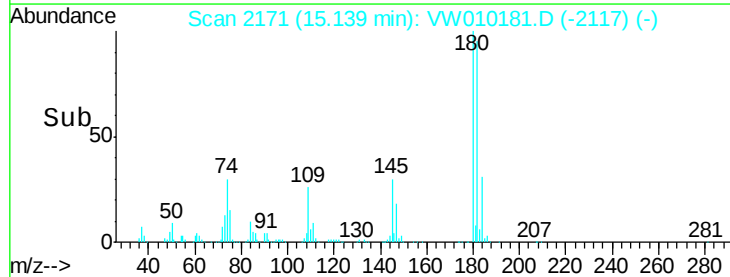
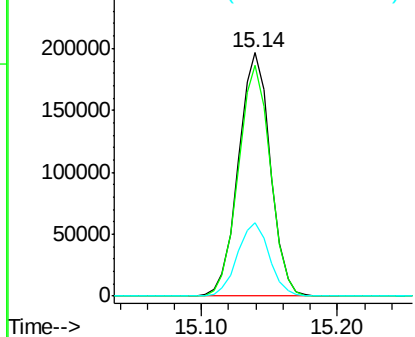


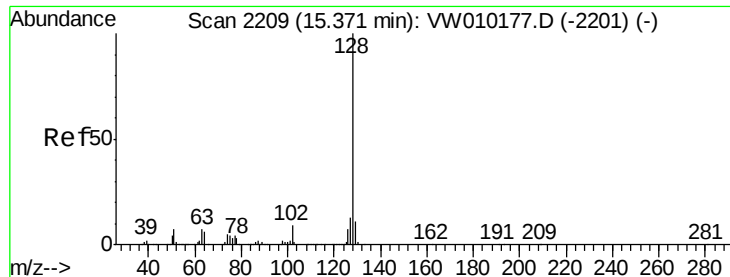
#68
 1,2,4-trichlorobenzene
 Concen: 26.463 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010181.D
 Acq: 29 Apr 2019 14:39

Tgt Ion:180 Resp: 320443
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.2 114.4
 145 30.2 24.5 36.7



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 27.381 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW010181.D

Acq: 29 Apr 2019 14:39

Instrument :

MSVOA_W

ClientSampleId :

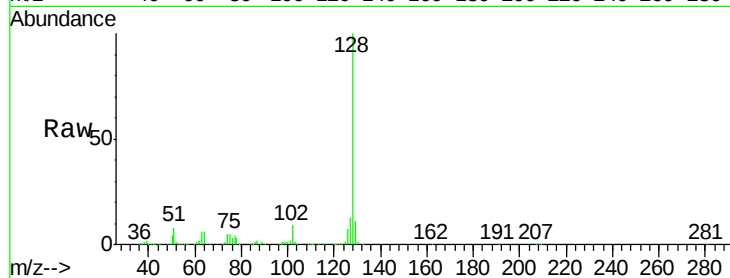
Tot Ion:128 Resp: 678956

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

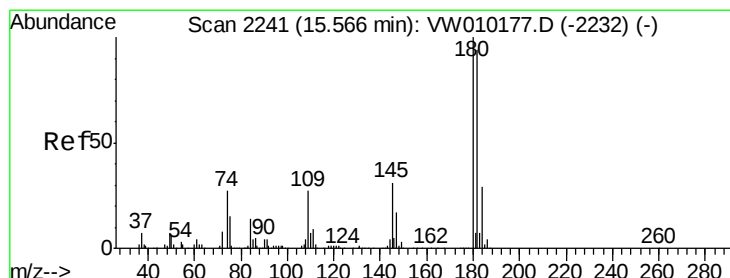
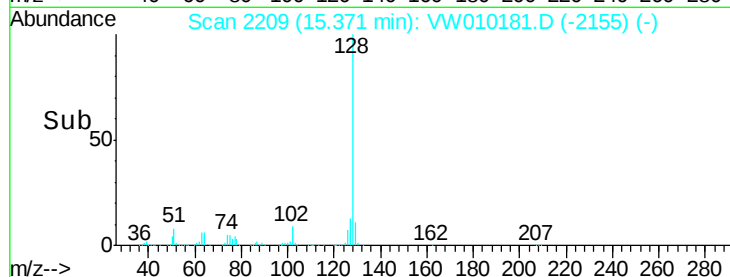
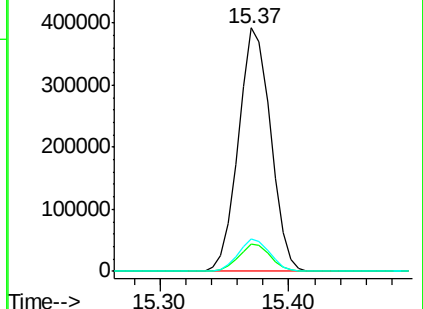
127 13.2 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 26.140 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.01 min

Lab File: VW010181.D

Acq: 29 Apr 2019 14:39

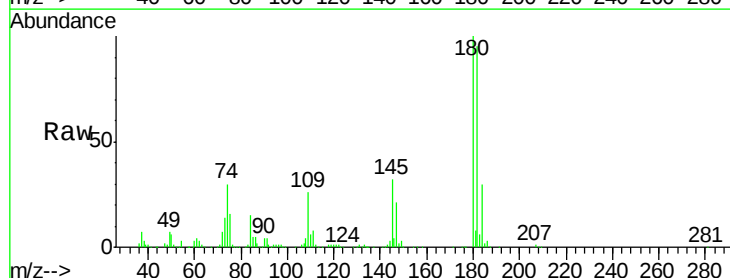
Tgt Ion:180 Resp: 299133

Ion Ratio Lower Upper

180 100

182 95.4 76.2 114.4

145 32.3 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

