

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021020\
 Data File : VW014953.D
 Acq On : 10 Feb 2020 19:48
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Feb 11 00:35:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020520S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 11 00:31:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	684558	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	641437	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	297106	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	293271	25.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.52%
7) Chloroethane-d5	2.89	69	243188	26.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	107.20%
10) 1,1-Dichloroethene-d2	4.03	63	558196	26.96	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	107.84%
20) 2-Butanone-d5	7.07	46	196141	61.67	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	123.34%
24) Chloroform-d	7.65	84	547877	28.19	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	112.76%
26) 1,2-Dichloroethane-d4	8.31	65	318194	29.58	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	118.32%
29) Benzene-d6	8.27	84	1074123	26.04	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.16%
33) 1,2-Dichloropropane-d6	9.27	67	370349	27.55	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	110.20%
37) Toluene-d8	10.32	98	931422	25.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.64%
38) trans-1,3-Dichloropropene-	10.57	79	138390	26.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	104.28%
39) 2-Hexanone-d5	10.92	63	144466	58.96	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	117.92%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	290518	28.70	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	114.80%
61) 1,2-Dichlorobenzene-d4	13.85	152	277586	24.09	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.36%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	181909	25.848 ug/L	94
3) Chloromethane	2.21	50	283589	26.592 ug/L	100
5) Vinyl chloride	2.37	62	388222	27.881 ug/L	99
6) Bromomethane	2.78	94	174433	25.053 ug/L	99
8) Chloroethane	2.92	64	212292	27.865 ug/L	99
9) Trichlorofluoromethane	3.26	101	148919	26.457 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	278830	28.063 ug/L	92
12) 1,1-Dichloroethene	4.04	96	255407	26.302 ug/L	90
13) Acetone	4.12	43	175605	53.491 ug/L	96
14) Carbon disulfide	4.38	76	805163	27.615 ug/L	99
15) Methyl Acetate	4.67	43	171783	31.798 ug/L	96
16) Methylene chloride	4.92	84	317366	25.448 ug/L	91
17) Methyl tert-butyl Ether	5.42	73	345129	27.205 ug/L	96
18) trans-1,2-Dichloroethene	5.42	96	258983	26.322 ug/L	87
19) 1,1-Dichloroethane	6.21	63	599041	30.053 ug/L	99
21) 2-Butanone	7.17	43	239017	62.185 ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	280279	26.337 ug/L	90

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021020\
 Data File : VW014953.D
 Acq On : 10 Feb 2020 19:48
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Feb 11 00:35:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020520S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 11 00:31:29 2020
 Response via : Initial Calibration

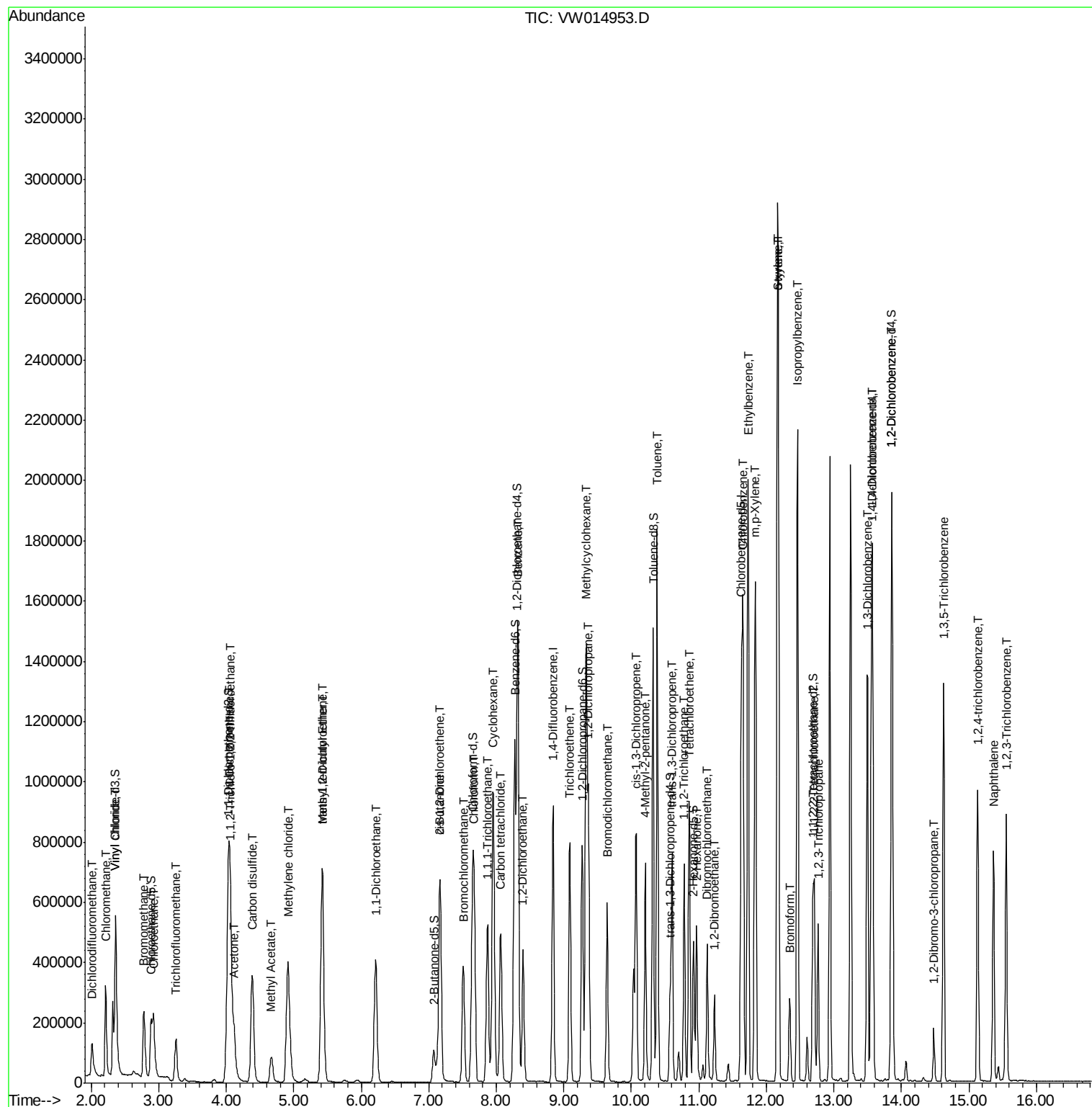
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	113878	26.081	ug/L	78
25) Chloroform	7.68	83	543017	29.657	ug/L	99
27) 1,2-Dichloroethane	8.40	62	389742	30.874	ug/L	97
30) Cyclohexane	7.96	56	541714	28.344	ug/L	93
31) 1,1,1-Trichloroethane	7.87	97	404728	27.672	ug/L	97
32) Carbon tetrachloride	8.07	117	361608	27.505	ug/L	99
34) Benzene	8.32	78	1242685	28.174	ug/L	100
35) Trichloroethene	9.09	95	287737	26.317	ug/L	94
36) Methylcyclohexane	9.34	83	515116	27.047	ug/L	93
40) 1,2-Dichloropropane	9.37	63	347159	29.411	ug/L	99
41) Bromodichloromethane	9.64	83	389335	28.781	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	462877	27.616	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	499354	64.517	ug/L	95
44) Toluene	10.38	91	1245984	27.826	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	384824	28.511	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	212517	27.350	ug/L	95
47) Tetrachloroethene	10.86	164	188854	23.508	ug/L	97
49) 2-Hexanone	10.97	43	352530	64.843	ug/L	96
50) Dibromochloromethane	11.13	129	221591	26.534	ug/L	99
51) 1,2-Dibromoethane	11.23	107	188206	26.032	ug/L	99
52) Chlorobenzene	11.65	112	710169	25.940	ug/L	93
53) Ethylbenzene	11.73	91	1359036	27.743	ug/L	99
54) m,p-Xylene	11.83	106	486008	27.161	ug/L	92
55) o-xylene	12.16	106	458498	26.923	ug/L	97
56) Styrene	12.18	104	808177	28.079	ug/L	95
57) Isopropylbenzene	12.46	105	1264163	27.641	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	287515	29.644	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	214785	29.435	ug/L	99
62) Bromoform	12.35	173	114842	25.356	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	501395	24.983	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	515770	25.513	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	470571	25.635	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	45469	29.050	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	350810	24.406	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	275005	24.215	ug/L	99
69) Naphthalene	15.36	128	583850	26.136	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	263175	25.098	ug/L	98

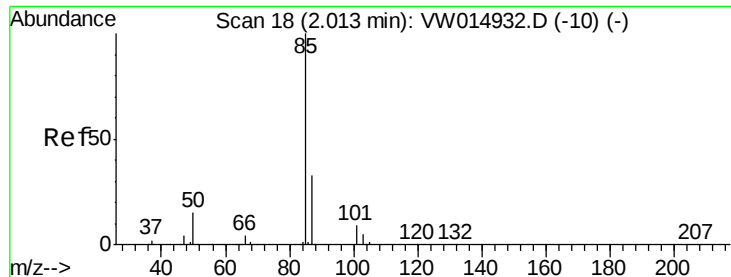
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW021020\
Data File : VW014953.D
Acq On : 10 Feb 2020 19:48
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Feb 11 00:35:15 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020520S.M
Quant Title : VOC Analysis
QLast Update : Tue Feb 11 00:31:29 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 25.848 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW014953.D

Acq: 10 Feb 2020 19:48

Instrument :

MSVOA_W

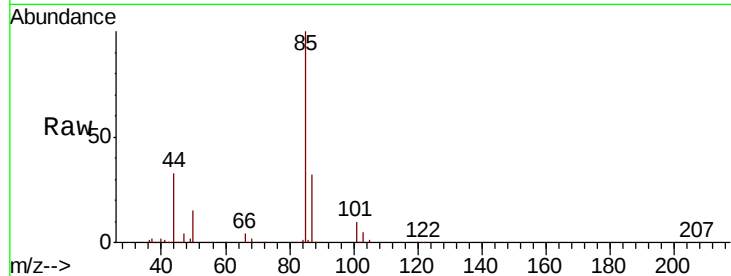
ClientSampleId :

Tot Ion: 85 Resp: 181909

Ion Ratio Lower Upper

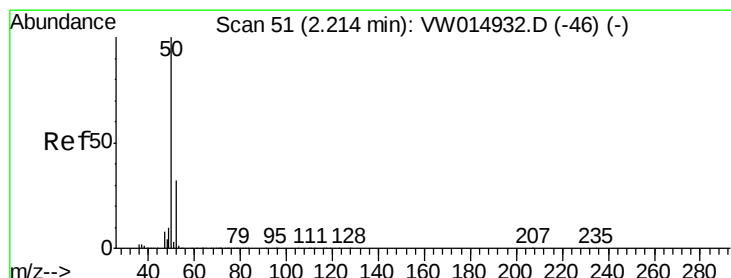
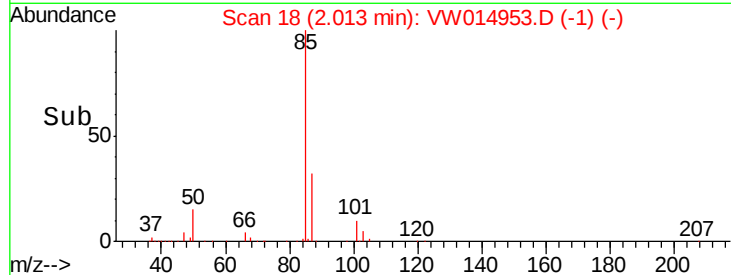
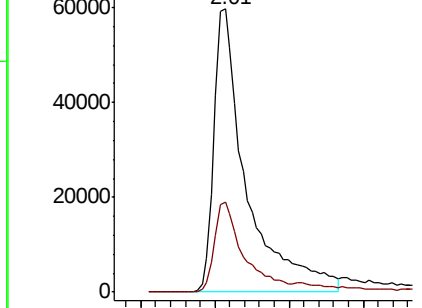
85 100

87 28.9 18.1 33.7



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 26.592 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW014953.D

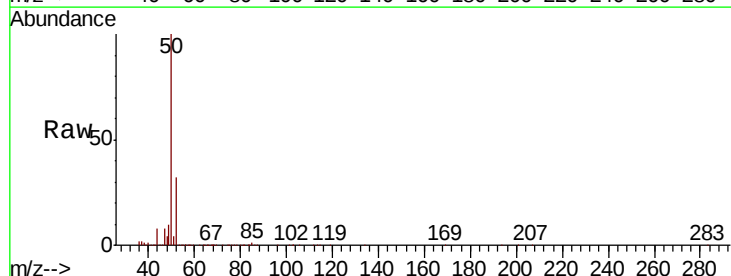
Acq: 10 Feb 2020 19:48

Tgt Ion: 50 Resp: 283589

Ion Ratio Lower Upper

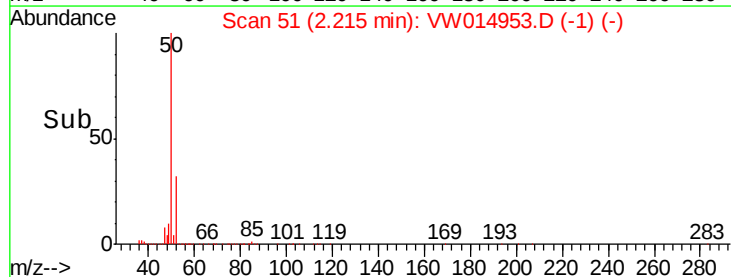
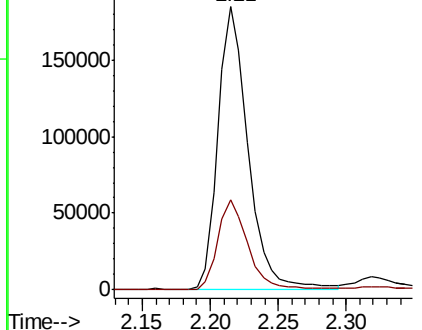
50 100

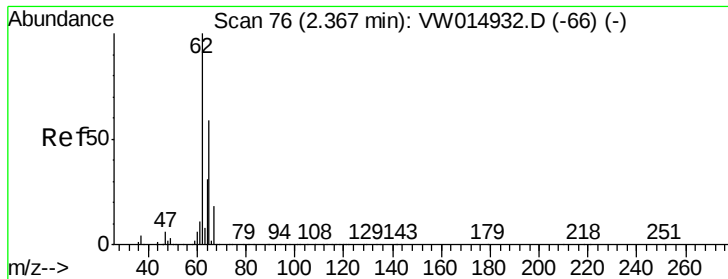
52 31.7 22.1 41.1



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 27.881 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW014953.D

Acq: 10 Feb 2020 19:48

Instrument :

MSVOA_W

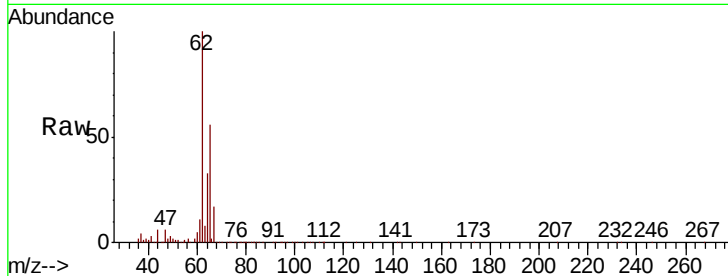
ClientSampleId :

Tot Ion: 62 Resp: 388222

Ion Ratio Lower Upper

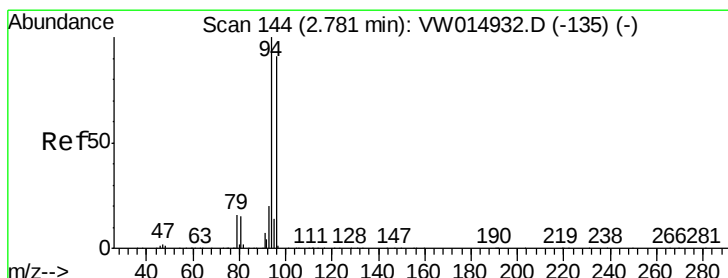
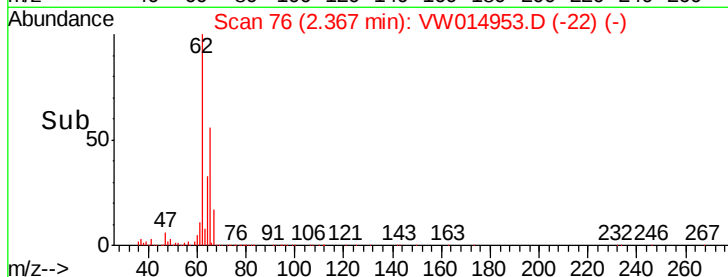
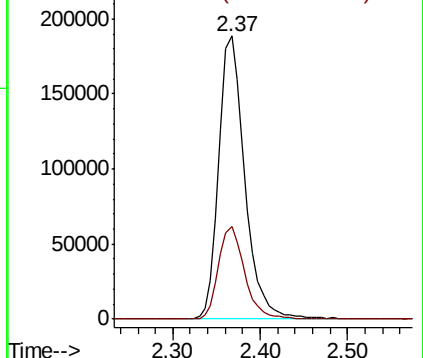
62 100

64 32.9 22.5 41.9



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 25.053 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW014953.D

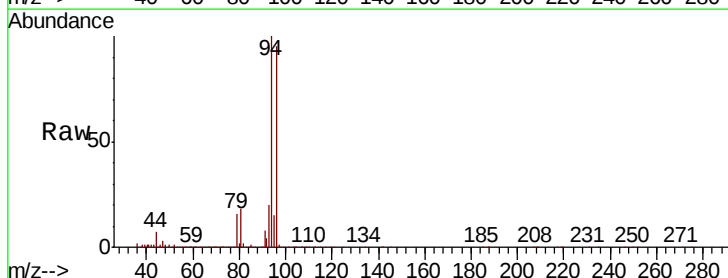
Acq: 10 Feb 2020 19:48

Tgt Ion: 94 Resp: 174433

Ion Ratio Lower Upper

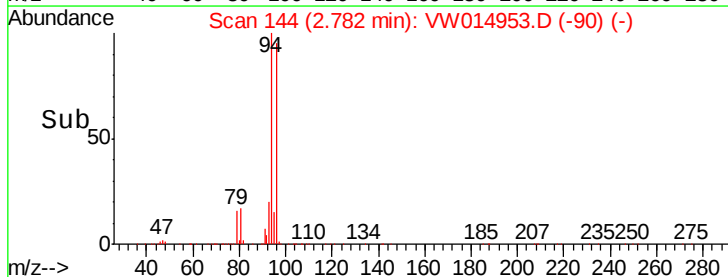
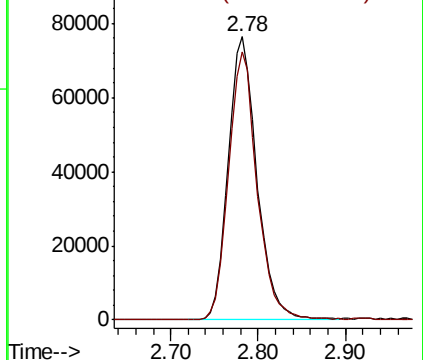
94 100

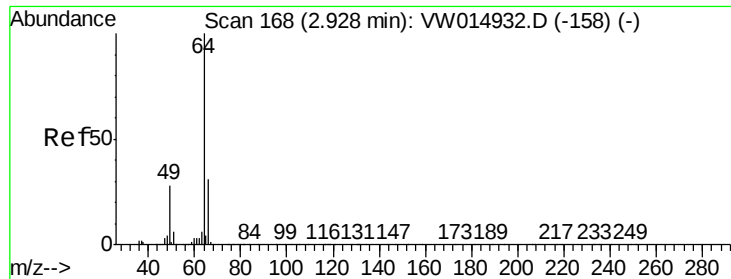
96 92.9 9.4 178.0



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW

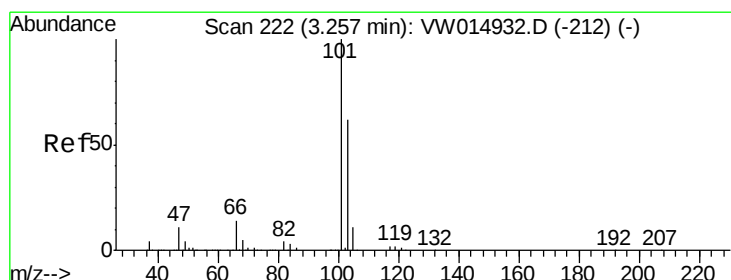
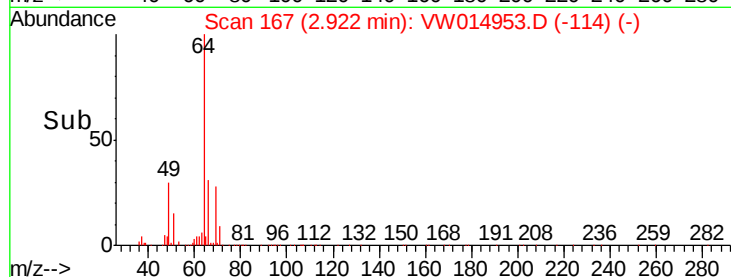
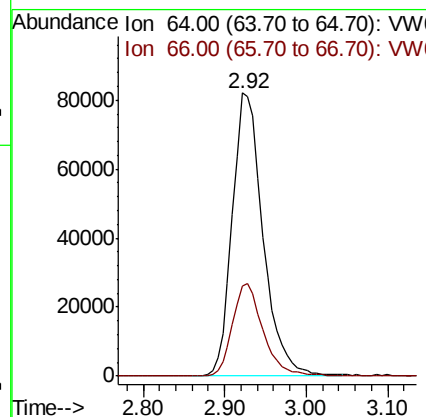
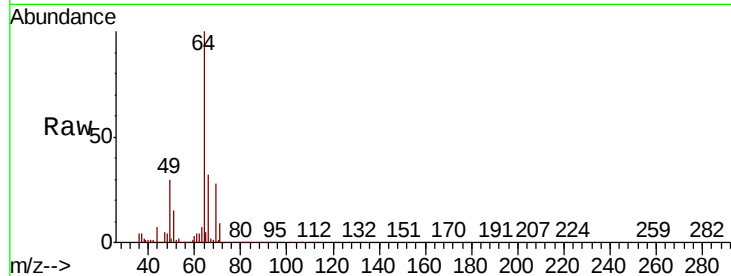




#8
Chloroethane
Concen: 27.865 ug/L
RT: 2.92 min Scan# 167
Delta R.T. -0.01 min
Lab File: VW014953.D
Acq: 10 Feb 2020 19:48

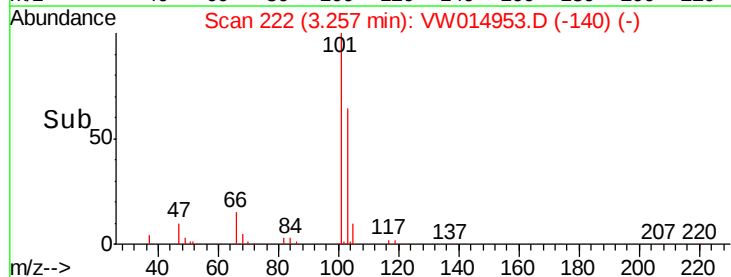
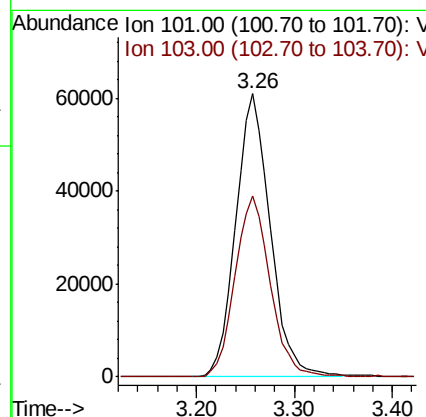
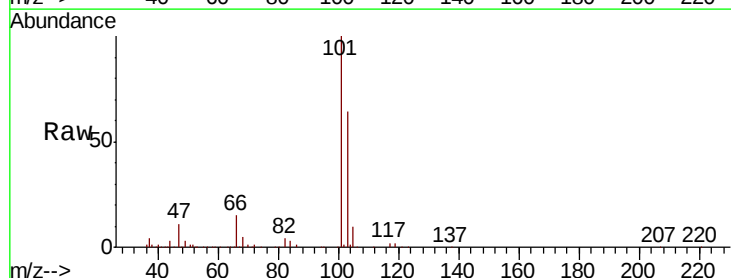
Instrument :
MSVOA_W
ClientSampleId :

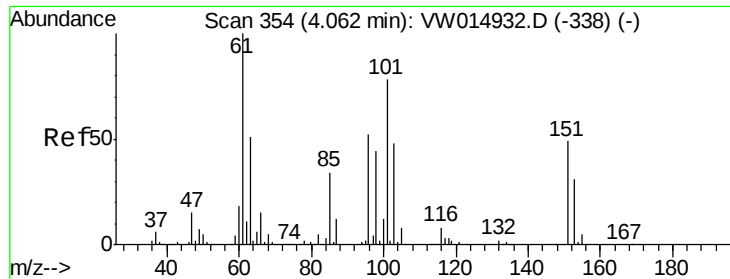
Tot Ion: 64 Resp: 212292
Ion Ratio Lower Upper
64 100
66 31.6 21.9 40.7



#9
Trichlorofluoromethane
Concen: 26.457 ug/L
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW014953.D
Acq: 10 Feb 2020 19:48

Tgt Ion: 101 Resp: 148919
Ion Ratio Lower Upper
101 100
103 64.9 45.8 85.0





#11

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

Concen: 28.063 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW014953.D

Acq: 10 Feb 2020 19:48

Instrument :

MSVOA_W

ClientSampled :

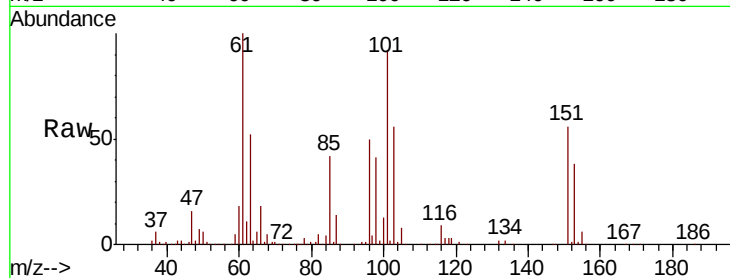
Tot Ion:101 Resp: 278830

Ion Ratio Lower Upper

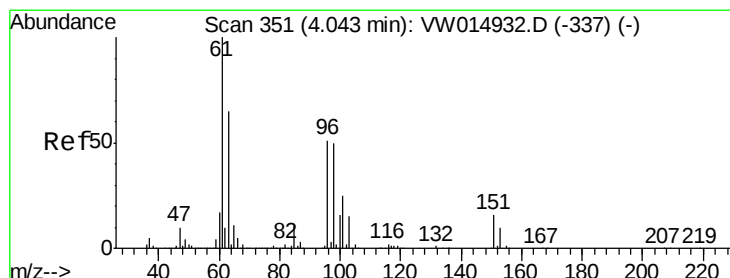
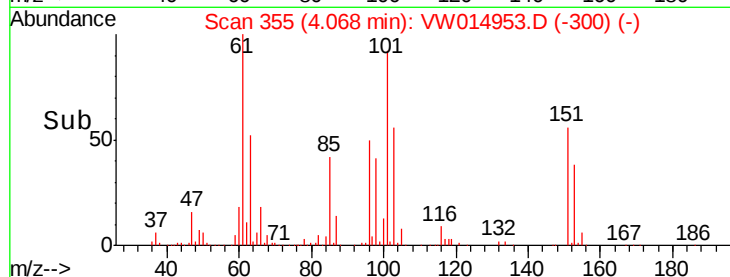
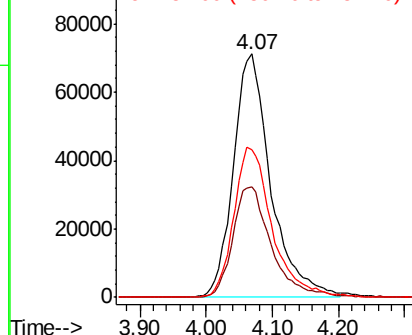
101 100

85 46.9 34.8 52.2

151 62.8 56.3 84.5



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: 26.302 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW014953.D

Acq: 10 Feb 2020 19:48

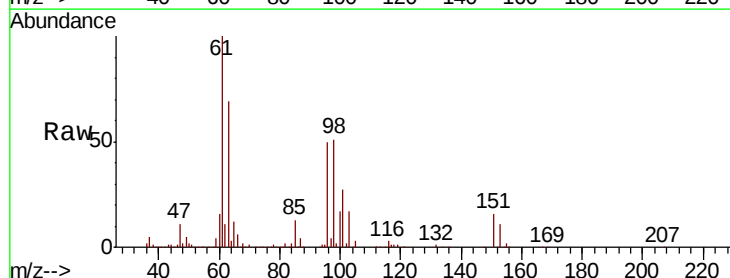
Tgt Ion: 96 Resp: 255407

Ion Ratio Lower Upper

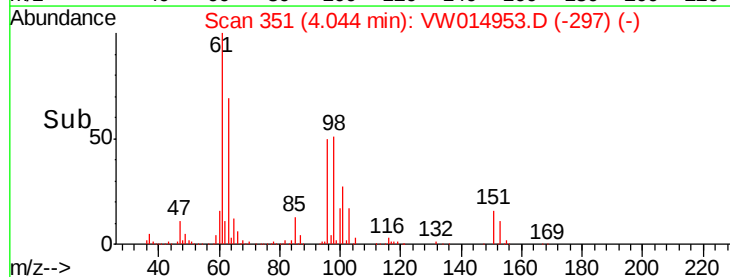
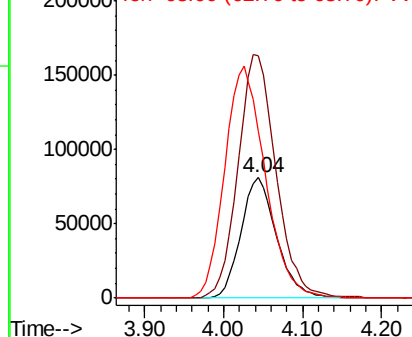
96 100

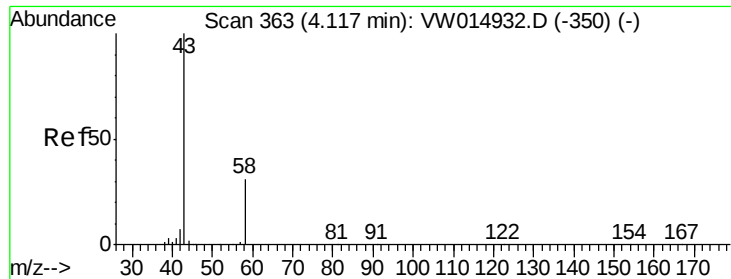
61 201.6 134.7 250.1

63 138.9 110.2 204.8



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 53.491 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW014953.D

Acq: 10 Feb 2020 19:48

Instrument :

MSVOA_W

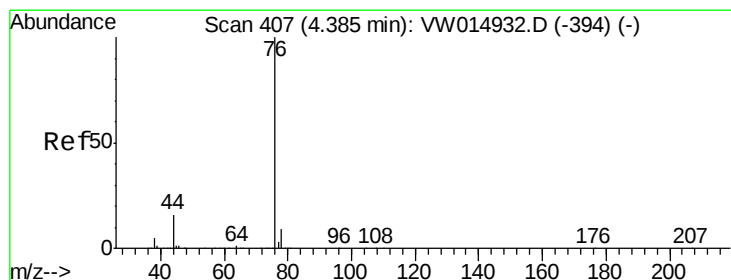
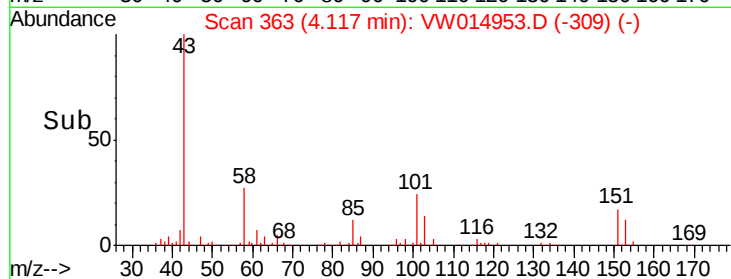
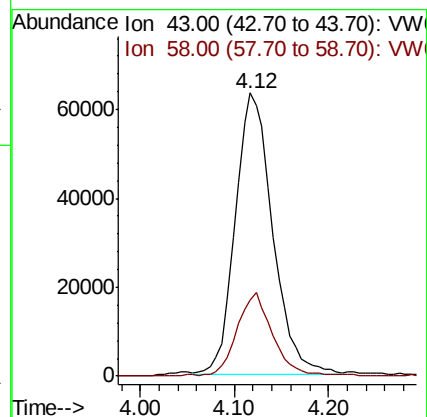
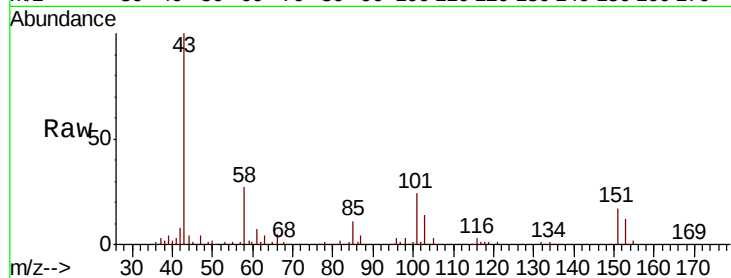
ClientSampleId :

Tot Ion: 43 Resp: 175605

Ion Ratio Lower Upper

43 100

58 28.0 0.0 60.4



#14

Carbon disulfide

Concen: 27.615 ug/L

RT: 4.38 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW014953.D

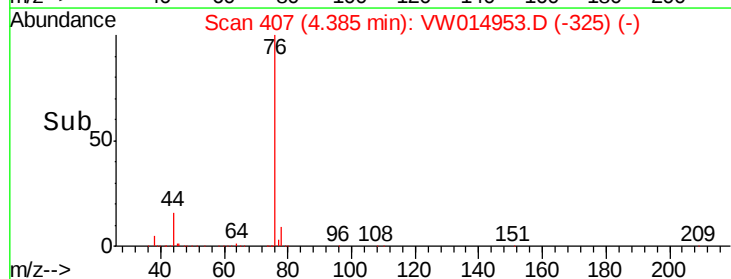
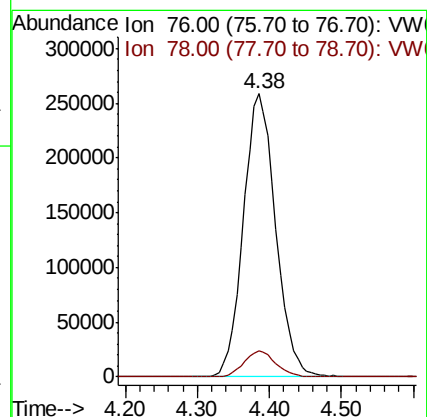
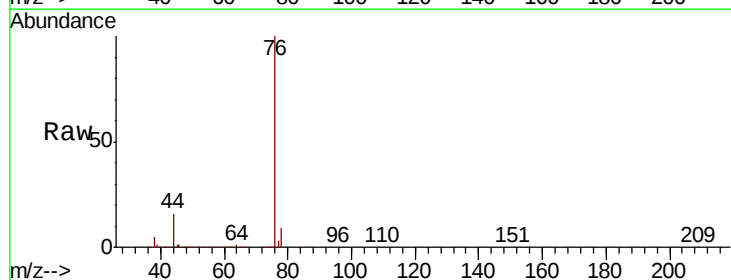
Acq: 10 Feb 2020 19:48

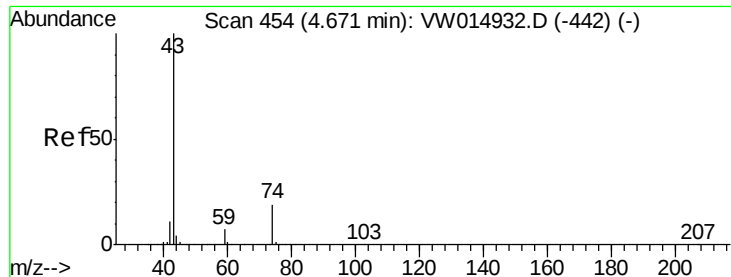
Tgt Ion: 76 Resp: 805163

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.6

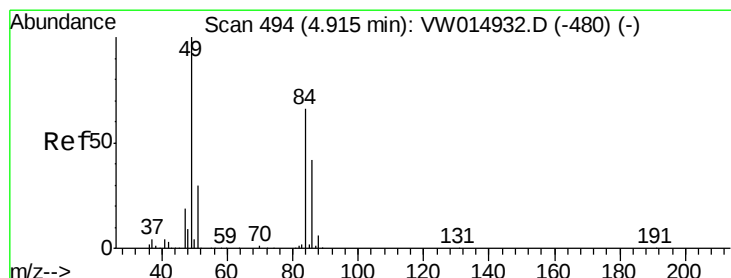
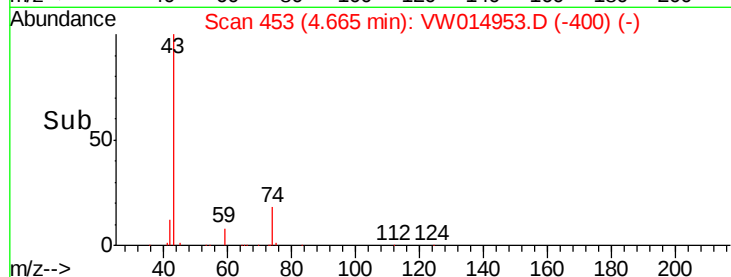
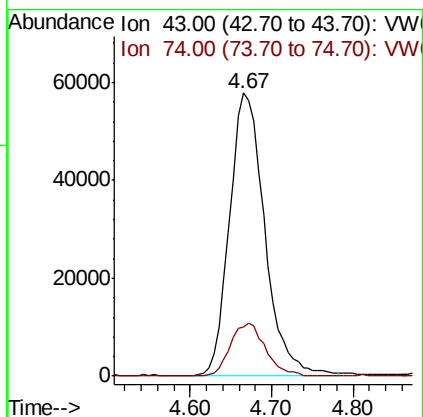
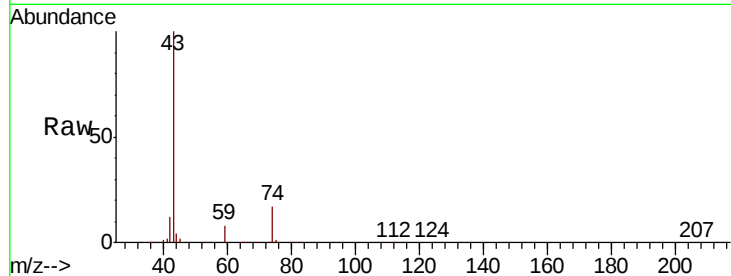




#15
Methyl Acetate
Concen: 31.798 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW014953.D
Acq: 10 Feb 2020 19:48

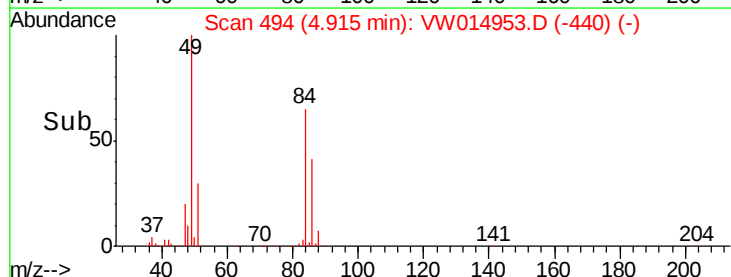
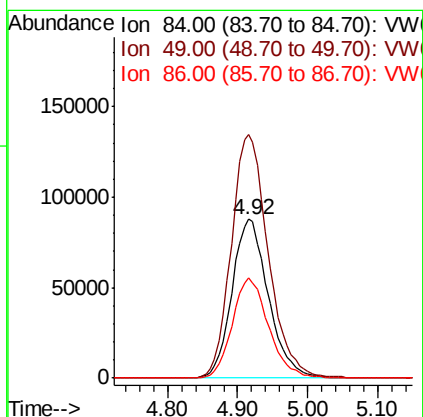
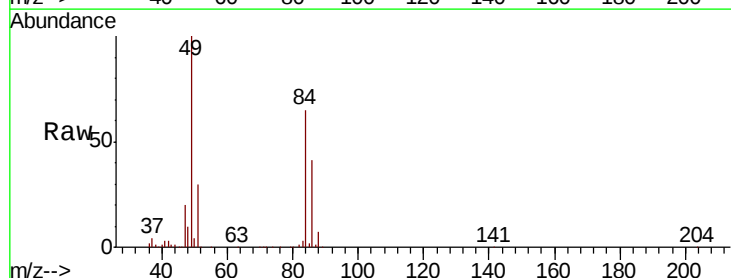
Instrument :
MSVOA_W
ClientSampled :

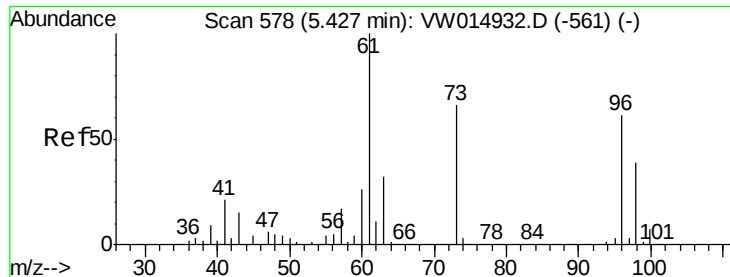
Tot Ion: 43 Resp: 171783
Ion Ratio Lower Upper
43 100
74 18.7 16.5 24.7



#16
Methylene chloride
Concen: 25.448 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW014953.D
Acq: 10 Feb 2020 19:48

Tgt Ion: 84 Resp: 317366
Ion Ratio Lower Upper
84 100
49 153.2 95.8 177.8
86 63.5 44.2 82.2

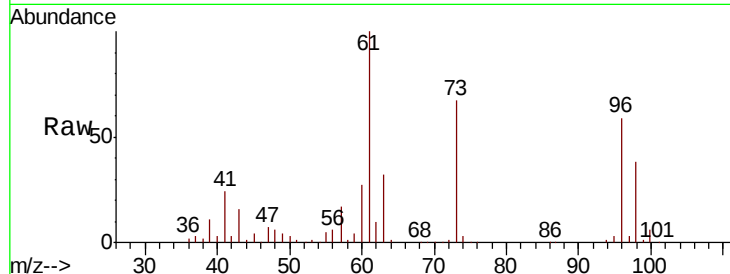




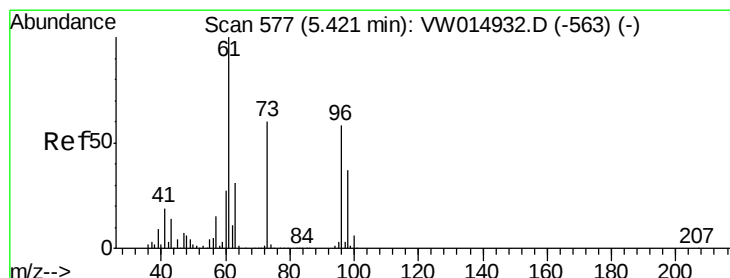
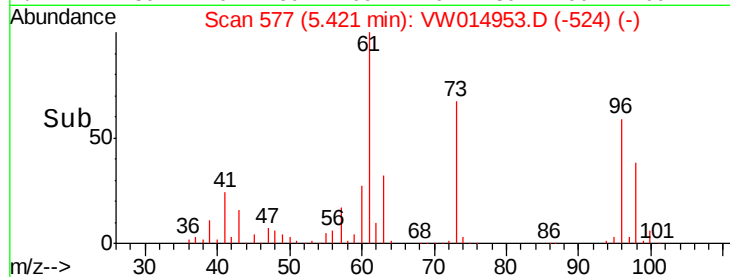
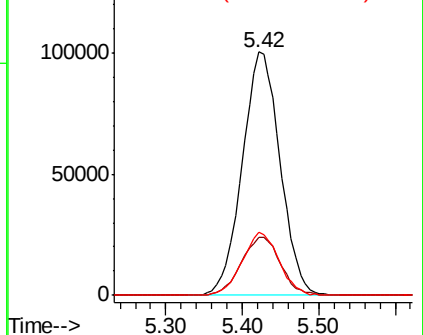
#17
Methvl tert-butvl Ether
Concen: 27.205 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW014953.D
Acq: 10 Feb 2020 19:48

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 73 Resp: 345129
Ion Ratio Lower Upper
73 100
43 24.4 17.5 26.3
57 25.3 19.4 29.0

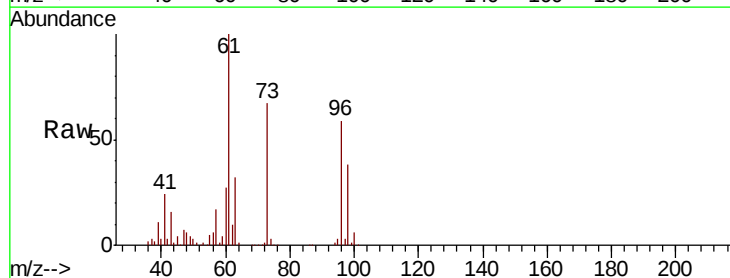


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

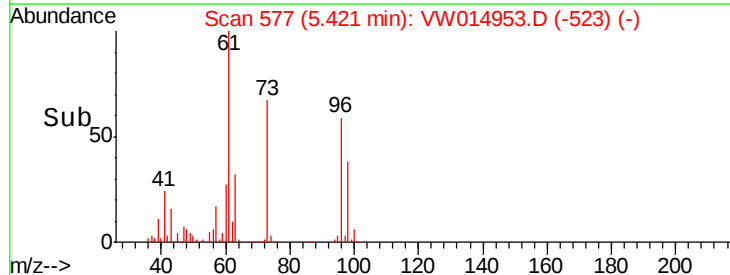
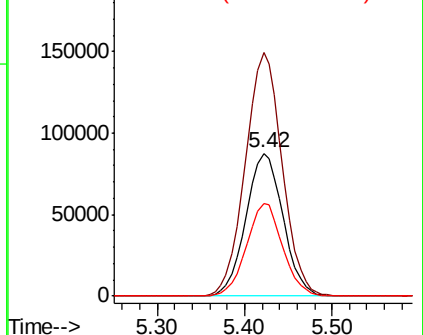


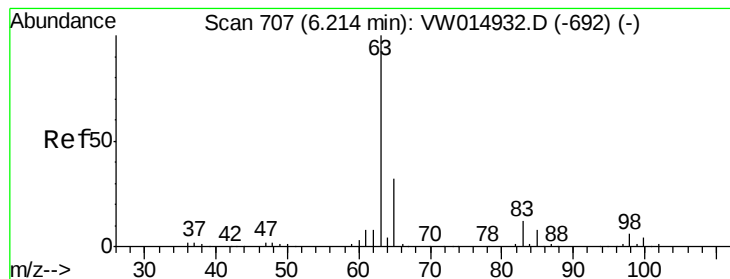
#18
trans-1,2-Dichloroethene
Concen: 26.322 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW014953.D
Acq: 10 Feb 2020 19:48

Tgt Ion: 96 Resp: 258983
Ion Ratio Lower Upper
96 100
61 170.5 104.4 194.0
98 64.4 43.8 81.3



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW





#19

1,1-Dichloroethane

Concen: 30.053 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW014953.D

Acq: 10 Feb 2020 19:48

Instrument :
MSVOA_W
ClientSampled :

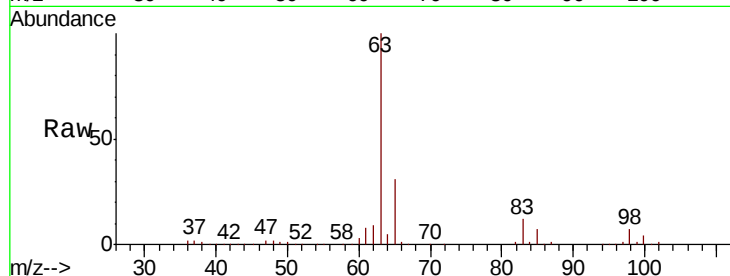
Tot Ion: 63 Resp: 599041

Ion Ratio Lower Upper

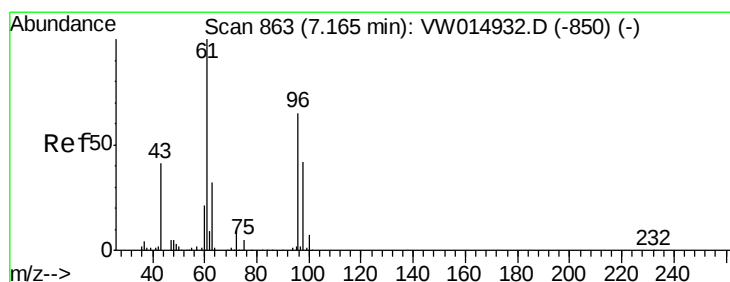
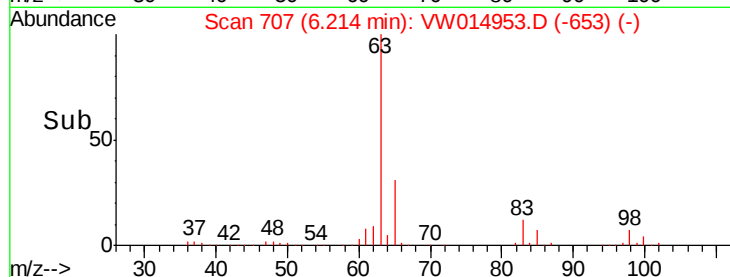
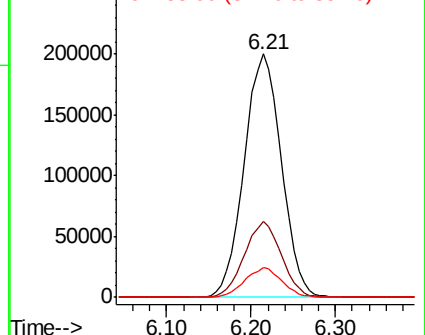
63 100

65 31.4 21.5 39.9

83 12.1 8.8 16.3



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: 62.185 ug/L

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW014953.D

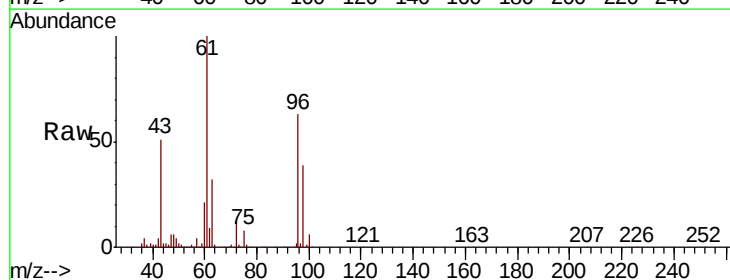
Acq: 10 Feb 2020 19:48

Tgt Ion: 43 Resp: 239017

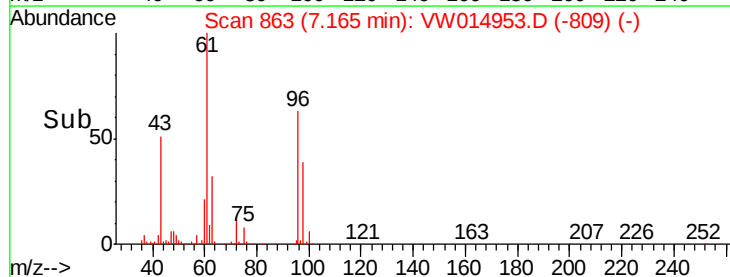
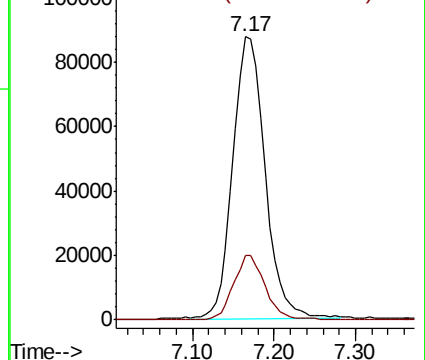
Ion Ratio Lower Upper

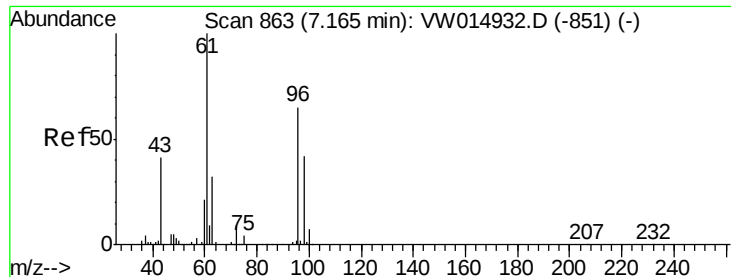
43 100

72 22.4 11.9 35.5



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



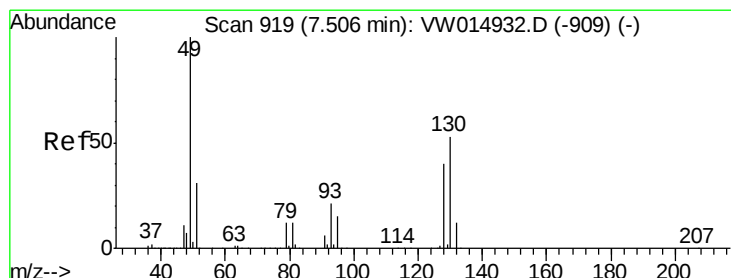
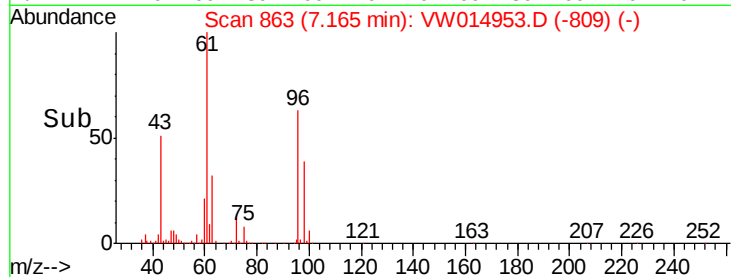
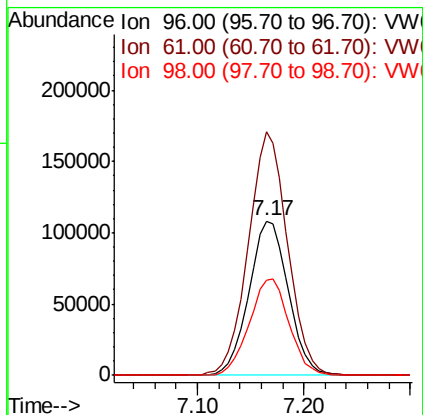
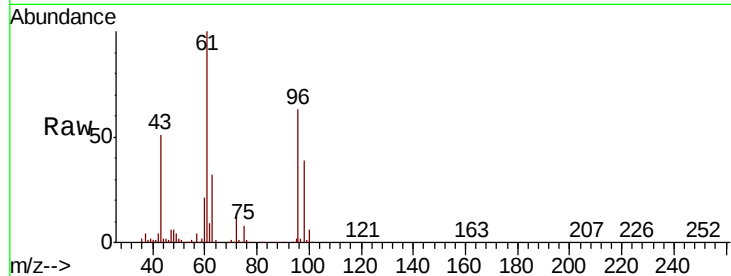


#22

cis-1,2-Dichloroethene
Concen: 26.337 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW014953.D
Acq: 10 Feb 2020 19:48

Instrument :
MSVOA_W
ClientSampled :

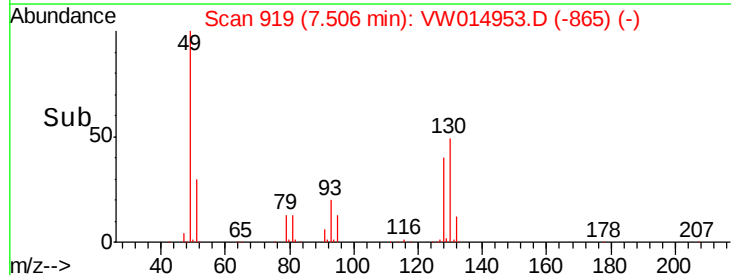
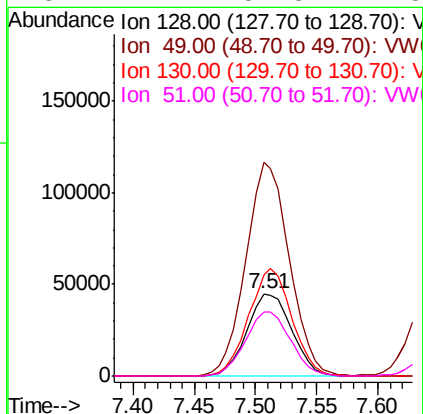
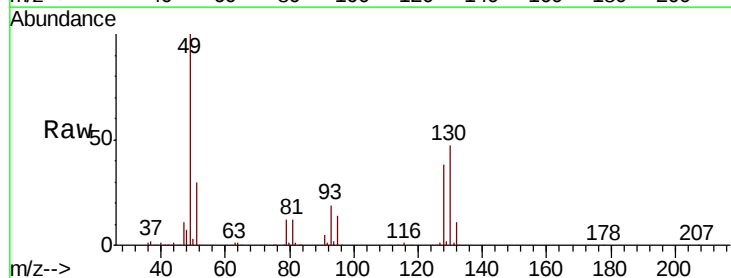
Tot Ion	Ratio	Lower	Upper
96	100		
61	157.8	98.6	183.0
98	61.6	44.2	82.2

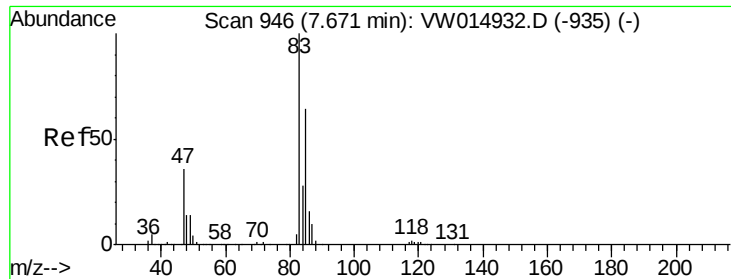


#23

Bromochloromethane
Concen: 26.081 ug/L
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW014953.D
Acq: 10 Feb 2020 19:48

Tgt Ion	Ratio	Lower	Upper
128	100		
49	260.6	146.0	271.2
130	123.3	90.9	168.9
51	77.4	51.8	77.8

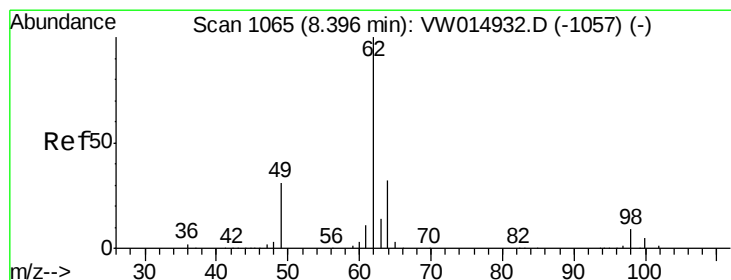
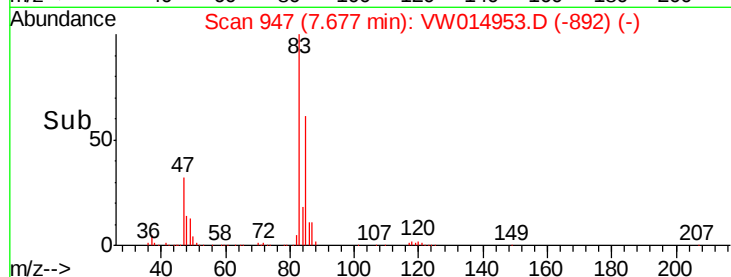
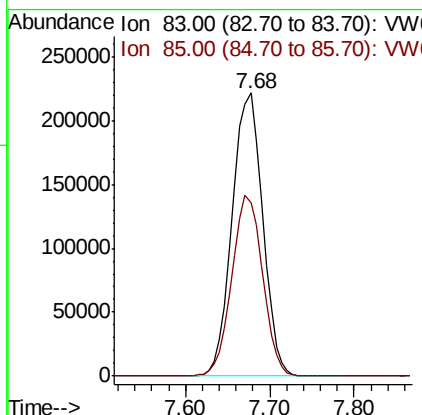
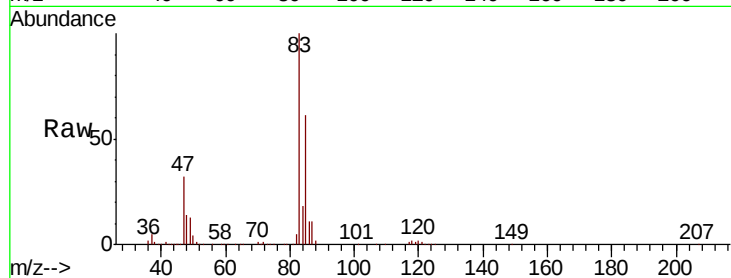




#25
Chloroform
Concen: 29.657 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW014953.D
Acq: 10 Feb 2020 19:48

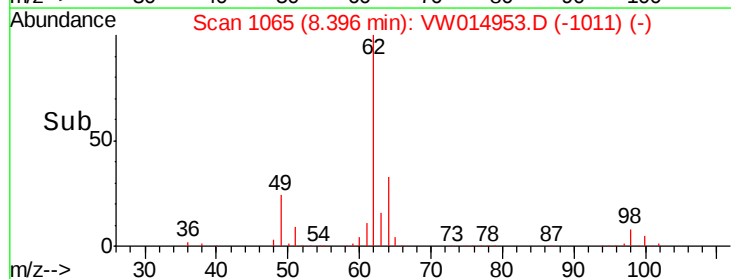
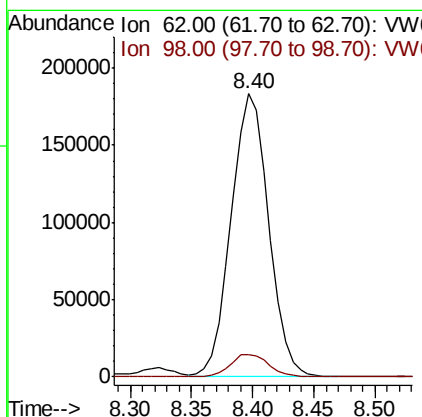
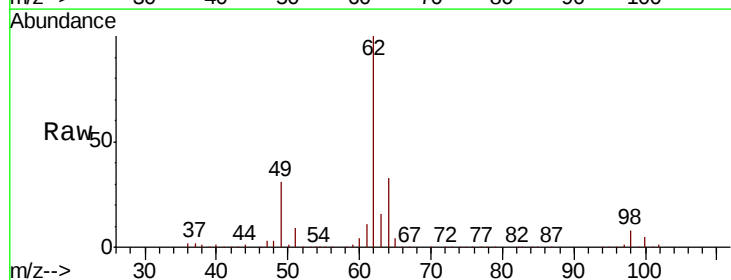
Instrument :
MSVOA_W
ClientSampleId :

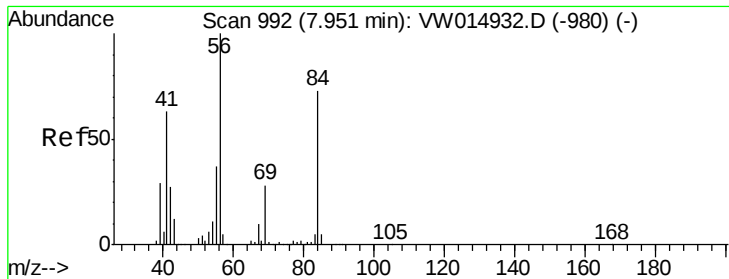
Tot Ion: 83 Resp: 543017
Ion Ratio Lower Upper
83 100
85 64.4 45.4 84.4



#27
1,2-Dichloroethane
Concen: 30.874 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW014953.D
Acq: 10 Feb 2020 19:48

Tgt Ion: 62 Resp: 389742
Ion Ratio Lower Upper
62 100
98 8.1 7.2 10.8

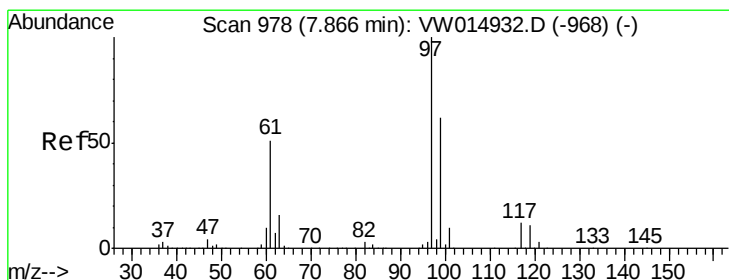
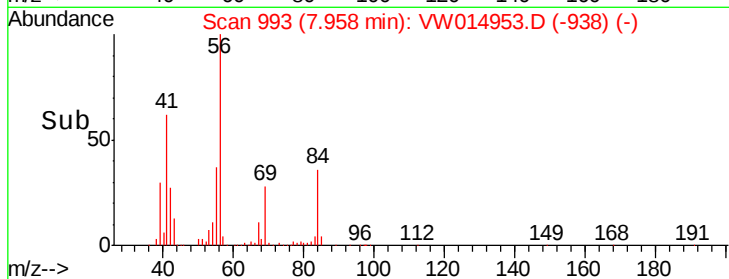
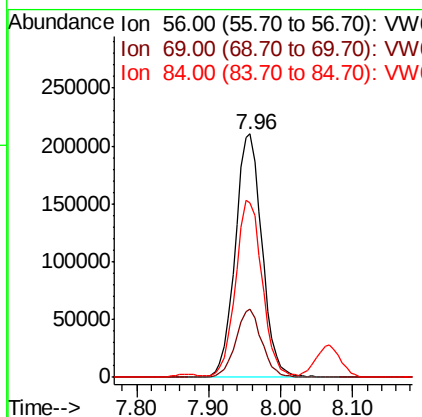
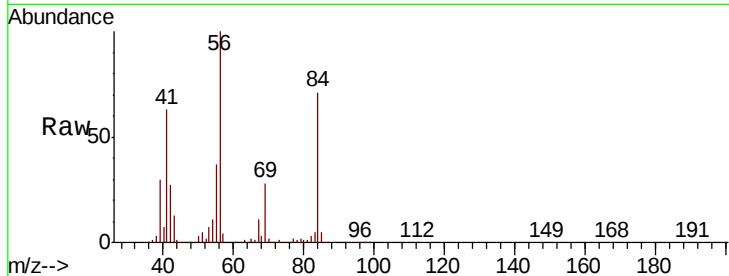




#30
Cvclohexane
Concen: 28.344 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW014953.D
Acq: 10 Feb 2020 19:48

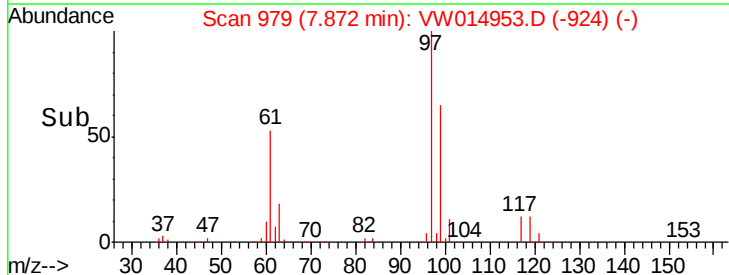
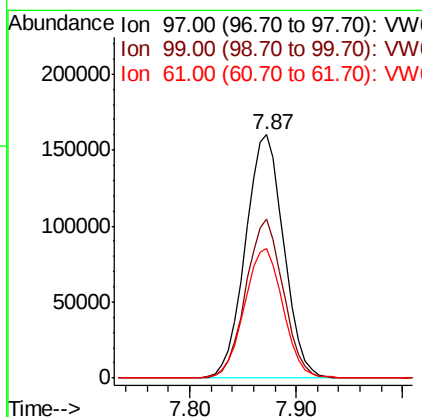
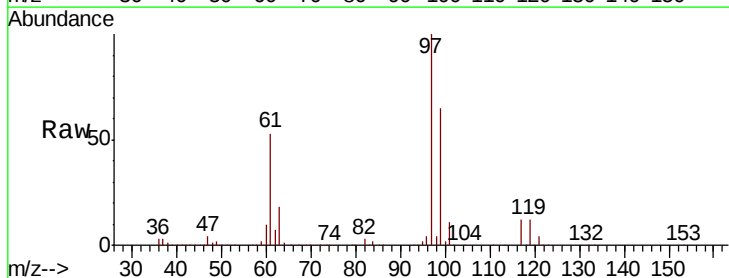
Instrument :
MSVOA_W
ClientSampled :

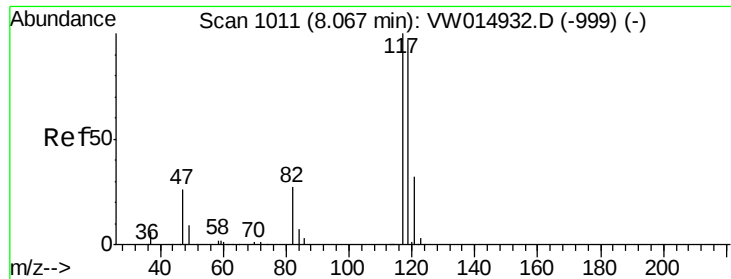
Tot Ion: 56 Resp: 541714
Ion Ratio Lower Upper
56 100
69 27.2 22.9 34.3
84 72.7 63.8 95.6



#31
1,1,1-Trichloroethane
Concen: 27.672 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW014953.D
Acq: 10 Feb 2020 19:48

Tgt Ion: 97 Resp: 404728
Ion Ratio Lower Upper
97 100
99 63.8 51.0 76.6
61 53.7 38.9 58.3



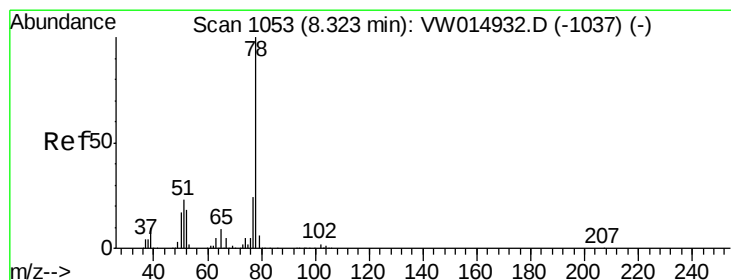
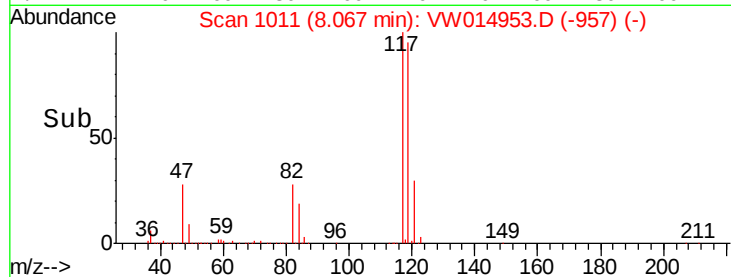
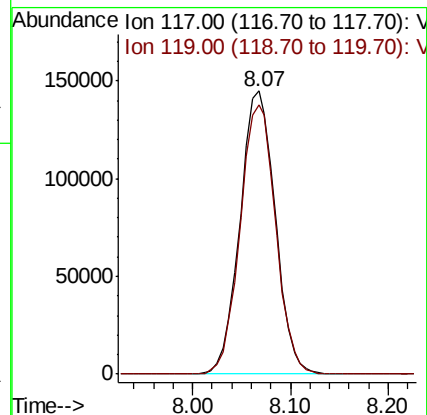
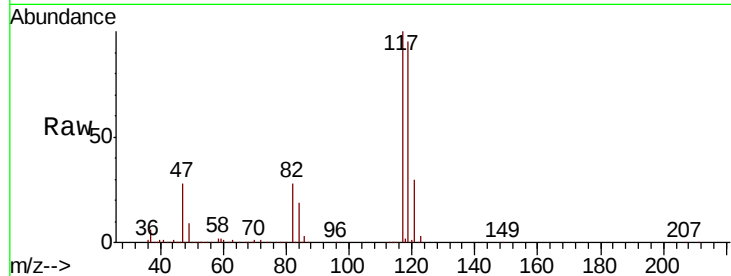


#32

Carbon tetrachloride
 Concen: 27.505 ug/L
 RT: 8.07 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: VW014953.D
 Acq: 10 Feb 2020 19:48

Instrument :
 MSVOA_W
 ClientSampleId :

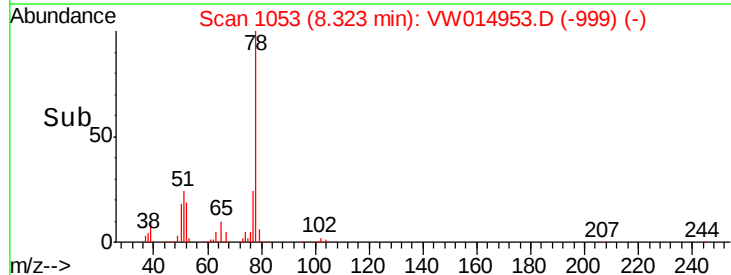
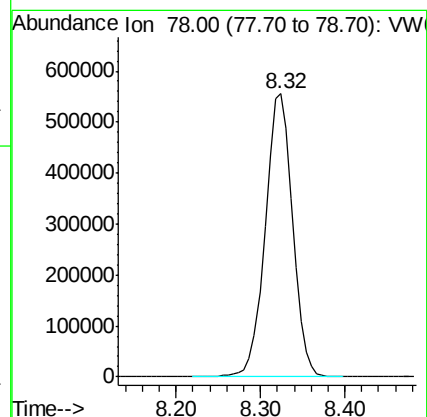
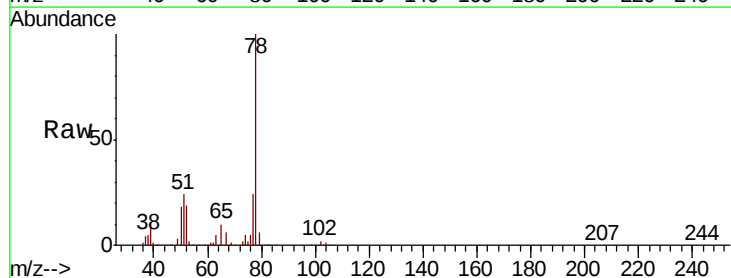
Tot Ion:117 Resp: 361608
 Ion Ratio Lower Upper
 117 100
 119 96.1 76.3 114.5

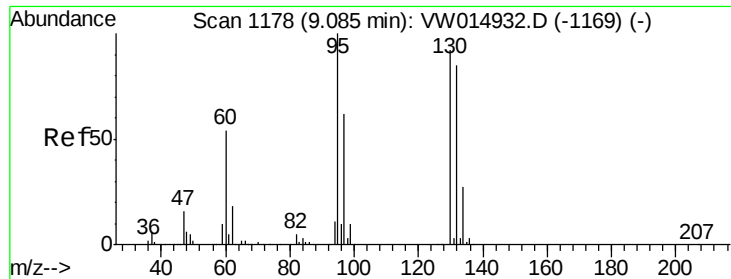


#34

Benzene
 Concen: 28.174 ug/L
 RT: 8.32 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VW014953.D
 Acq: 10 Feb 2020 19:48

Tgt Ion: 78 Resp: 1242685

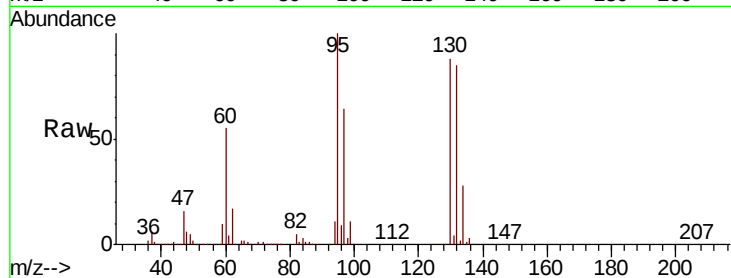




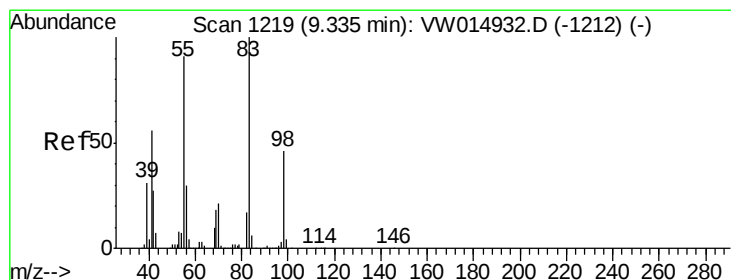
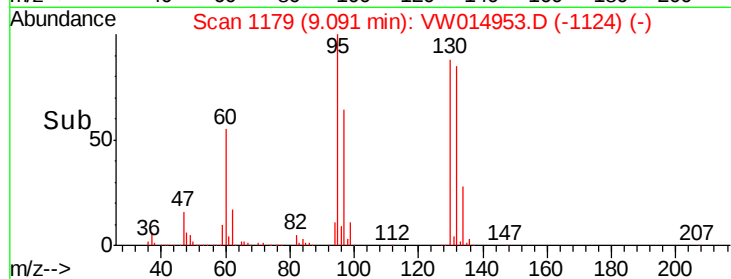
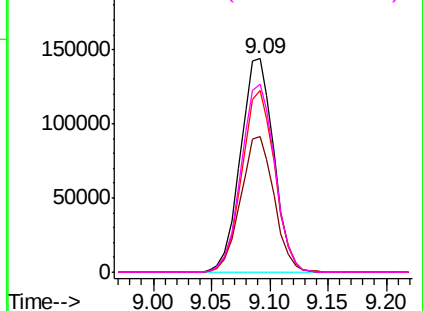
#35
 Trichloroethene
 Concen: 26.317 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.01 min
 Lab File: VW014953.D
 Acq: 10 Feb 2020 19:48

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	95	Resp:	287737
Ion	Ratio	Lower	Upper
95	100		
97	63.4	44.4	82.5
132	83.9	63.6	118.0
130	88.7	67.3	124.9

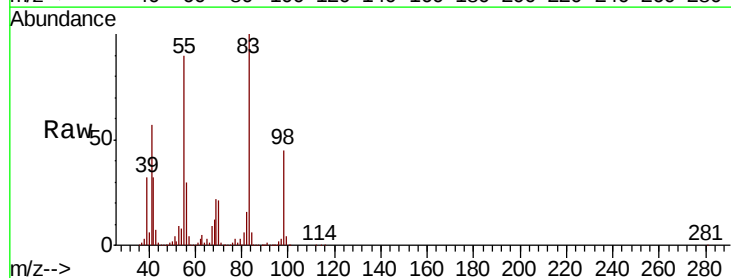


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

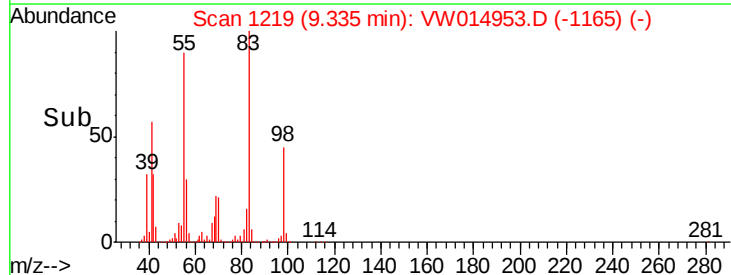
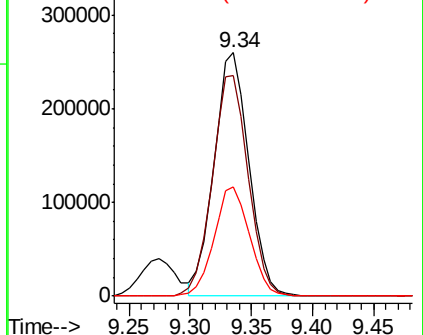


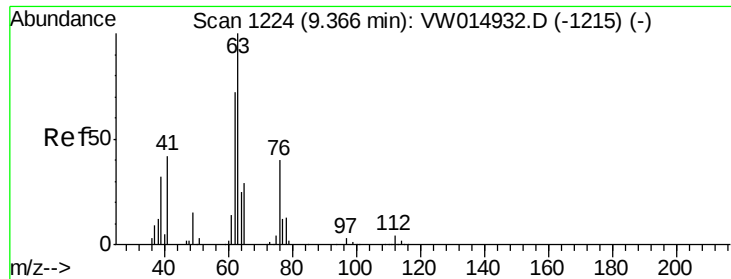
#36
 Methylcyclohexane
 Concen: 27.047 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW014953.D
 Acq: 10 Feb 2020 19:48

Tgt Ion:	83	Resp:	515116
Ion	Ratio	Lower	Upper
83	100		
55	93.1	68.0	102.0
98	45.6	37.8	56.6



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

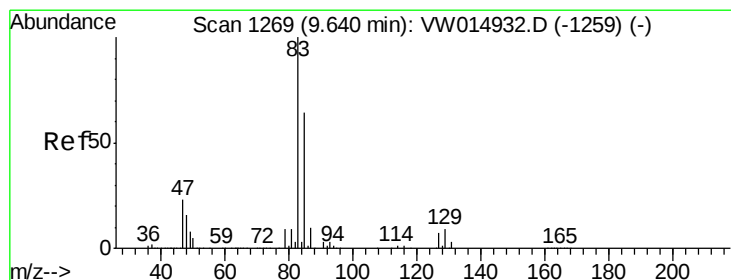
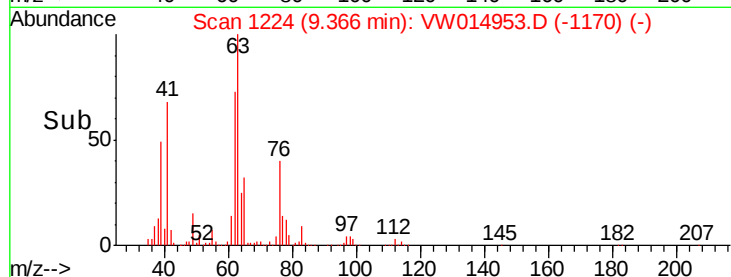
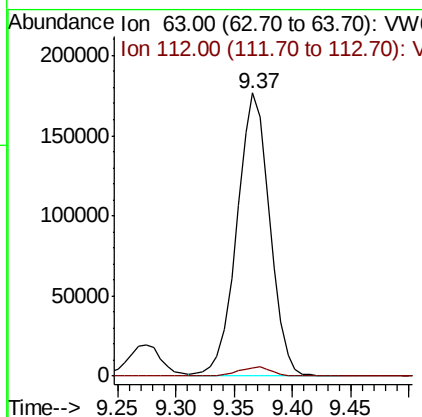
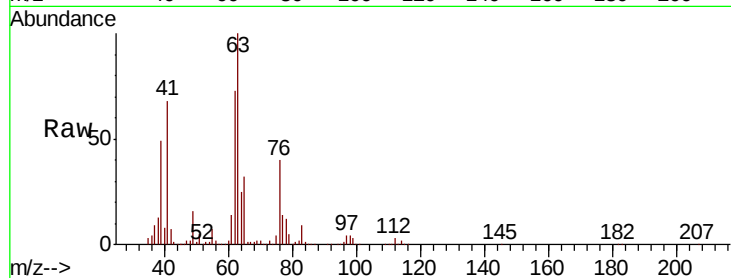




#40
 1,2-Dichloropropane
 Concen: 29.411 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW014953.D
 Acq: 10 Feb 2020 19:48

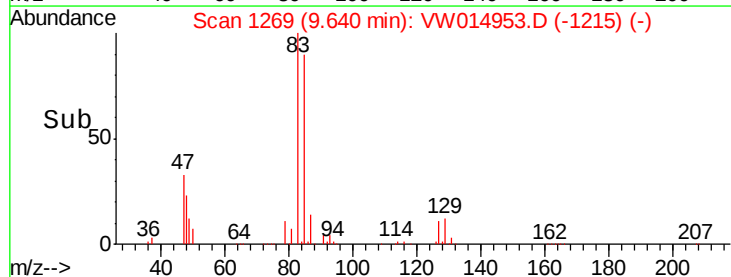
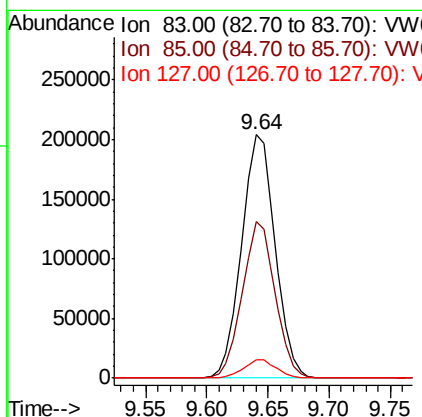
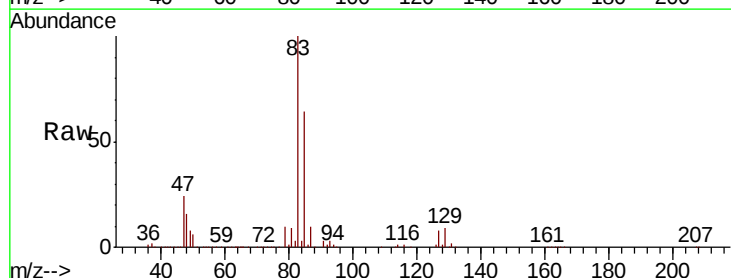
Instrument :
 MSVOA_W
 ClientSampleId :

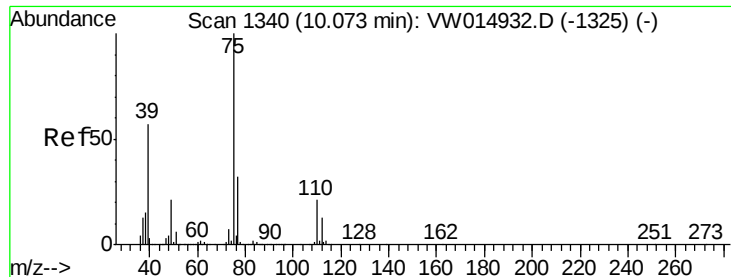
Tot Ion: 63 Resp: 347159
 Ion Ratio Lower Upper
 63 100
 112 3.6 3.1 4.7



#41
 Bromodichloromethane
 Concen: 28.781 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW014953.D
 Acq: 10 Feb 2020 19:48

Tgt Ion: 83 Resp: 389335
 Ion Ratio Lower Upper
 83 100
 85 64.3 44.2 82.0
 127 7.6 6.0 9.0





#42

cis-1,3-Dichloropropene

Concen: 27.616 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW014953.D

Acq: 10 Feb 2020 19:48

Instrument :

MSVOA_W

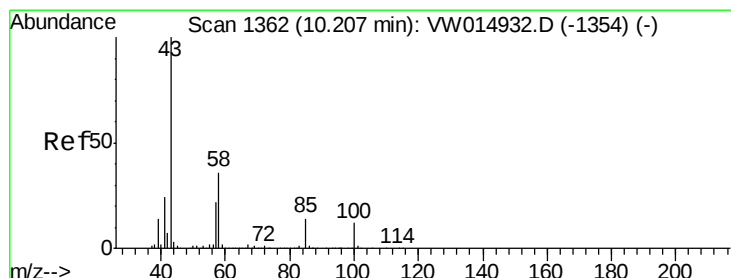
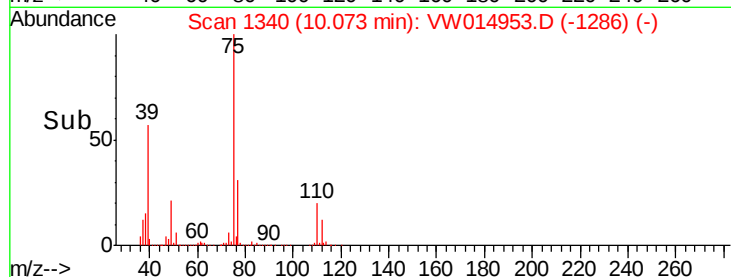
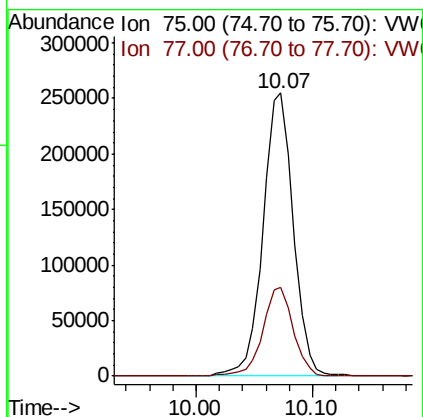
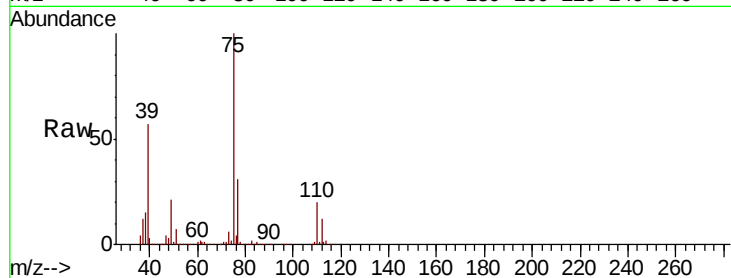
ClientSampleId :

Tot Ion: 75 Resp: 462877

Ion Ratio Lower Upper

75 100

77 31.3 22.5 41.9



#43

4-Methyl-2-pentanone

Concen: 64.517 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW014953.D

Acq: 10 Feb 2020 19:48

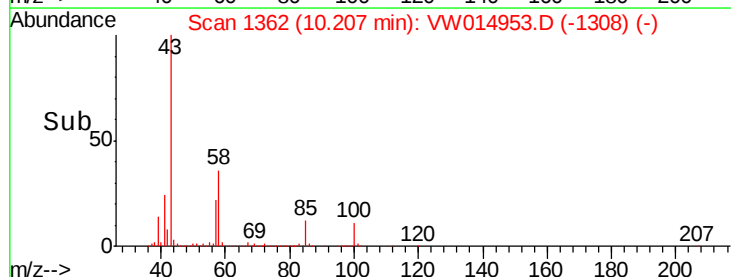
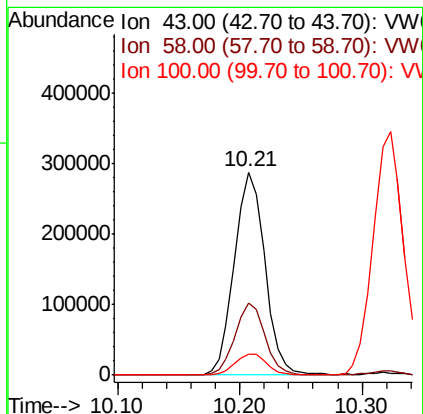
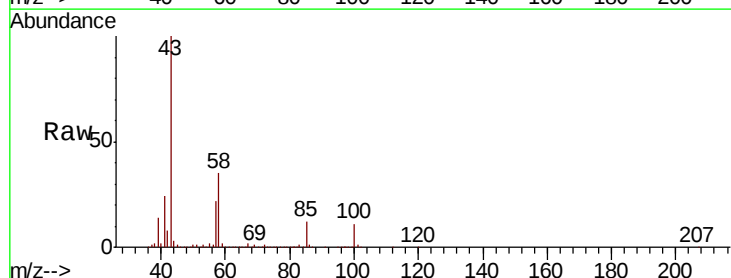
Tgt Ion: 43 Resp: 499354

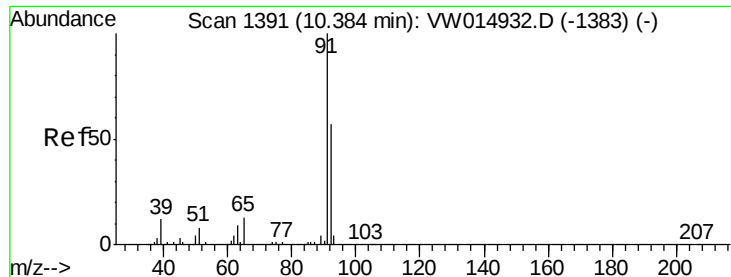
Ion Ratio Lower Upper

43 100

58 34.9 30.0 45.0

100 10.9 10.6 15.8





#44

Toluene

Concen: 27.826 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014953.D

Acq: 10 Feb 2020 19:48

Instrument :

MSVOA_W

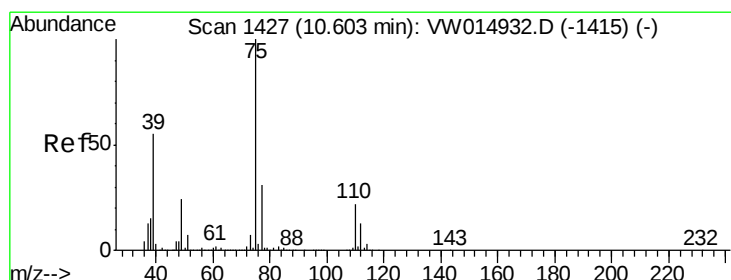
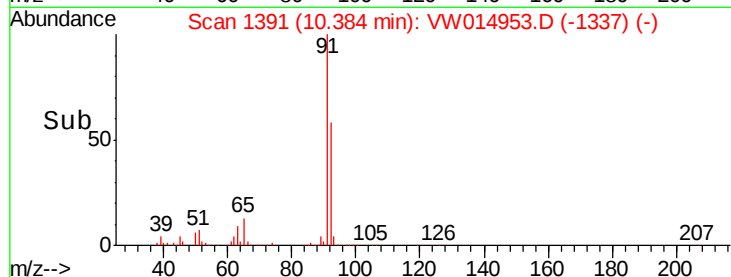
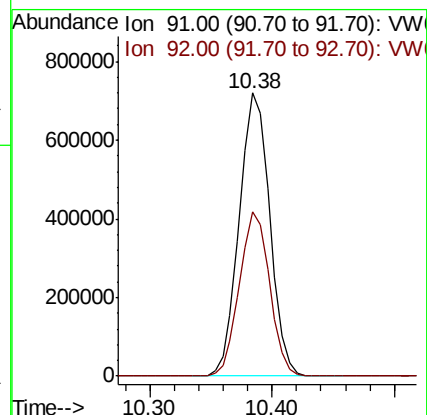
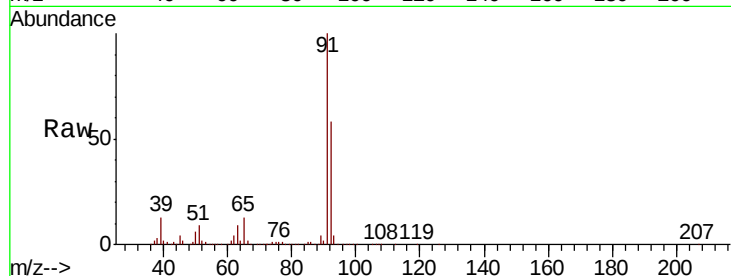
ClientSampleId :

Tot Ion: 91 Resp: 1245984

Ion Ratio Lower Upper

91 100

92 58.1 41.4 77.0



#45

trans-1,3-Dichloropropene

Concen: 28.511 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014953.D

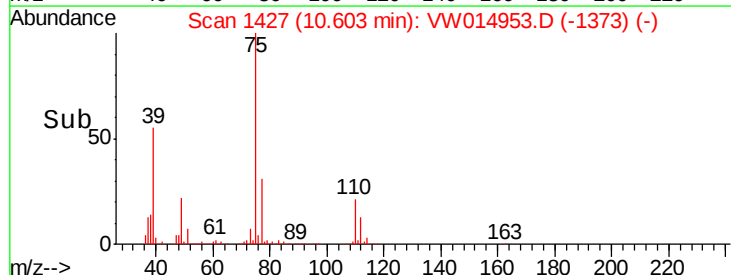
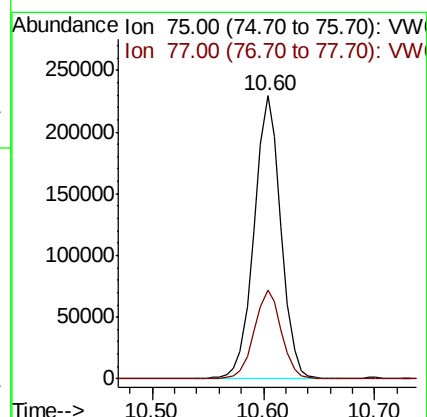
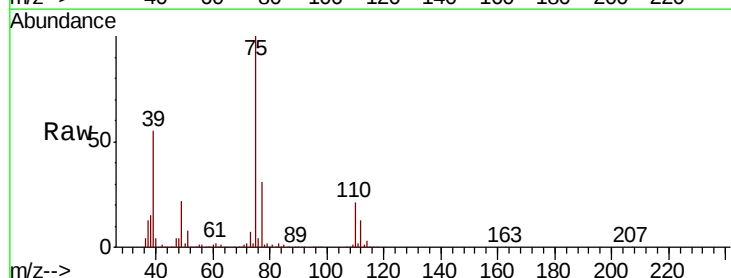
Acq: 10 Feb 2020 19:48

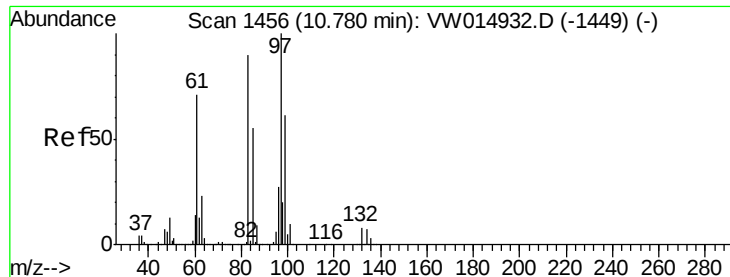
Tgt Ion: 75 Resp: 384824

Ion Ratio Lower Upper

75 100

77 31.4 21.8 40.6

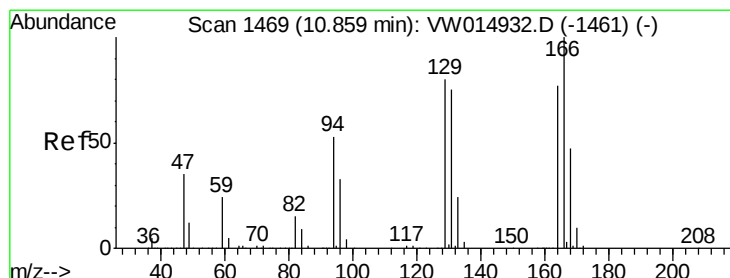
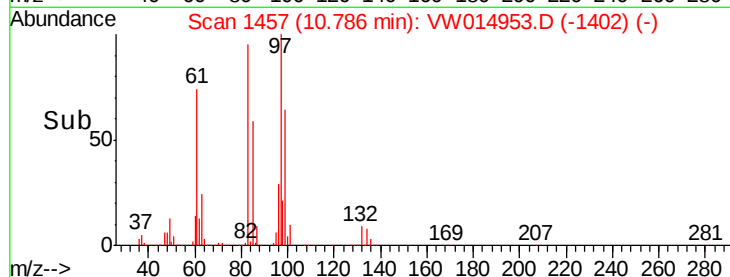
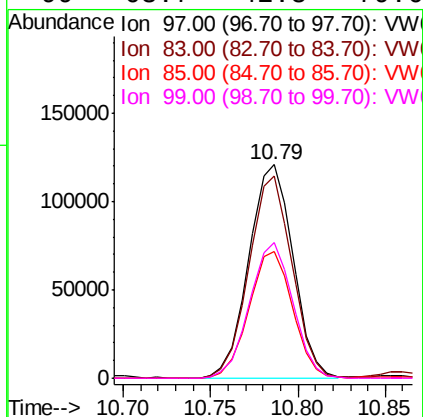
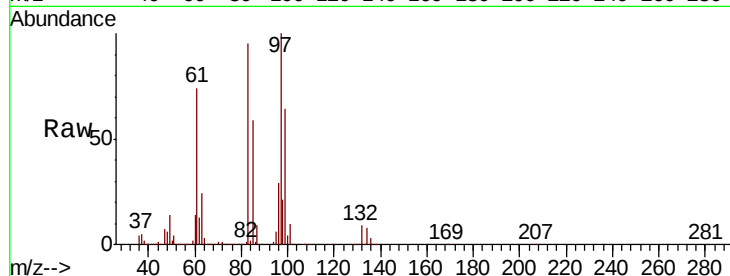




#46
1,1,2-Trichloroethane
Concen: 27.350 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. 0.01 min
Lab File: VW014953.D
Acq: 10 Feb 2020 19:48

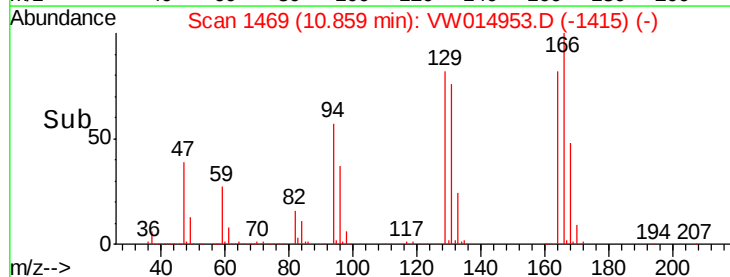
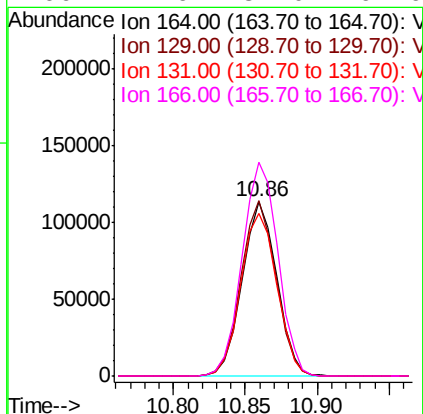
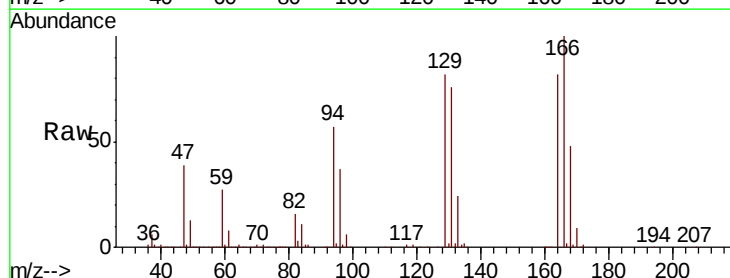
Instrument :
MSVOA_W
ClientSampleId :

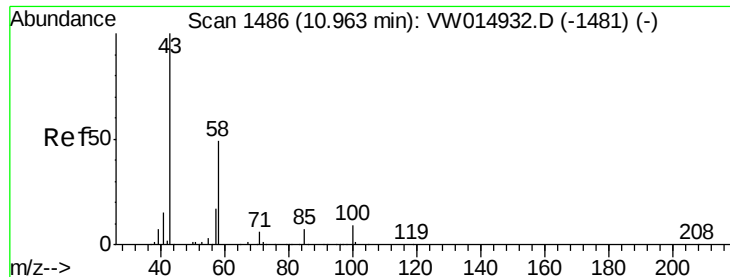
Tot Ion:	97	Resp:	212517
Ion	Ratio	Lower	Upper
97	100		
83	94.5	60.8	112.8
85	59.5	39.9	74.1
99	63.7	42.8	79.6



#47
Tetrachloroethene
Concen: 23.508 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW014953.D
Acq: 10 Feb 2020 19:48

Tgt Ion:	164	Resp:	188854
Ion	Ratio	Lower	Upper
164	100		
129	100.8	67.5	125.4
131	93.6	64.0	119.0
166	122.6	87.0	161.6





#49

2-Hexanone

Concen: 64.843 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VW014953.D

Acq: 10 Feb 2020 19:48

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 352530

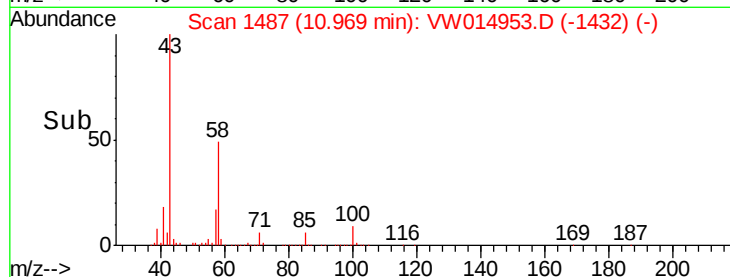
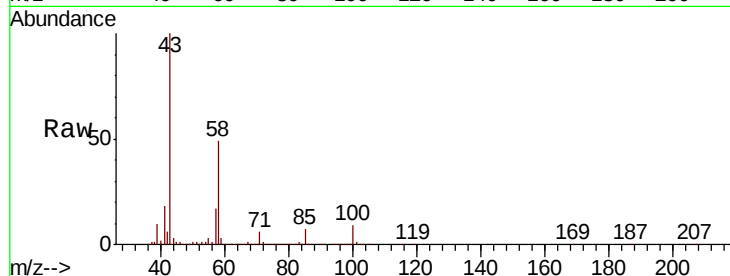
Ion Ratio Lower Upper

43 100

58 50.1 42.2 63.2

57 16.9 14.5 21.7

100 8.9 8.6 12.8

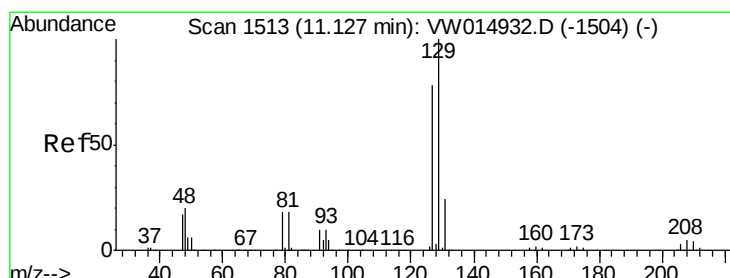
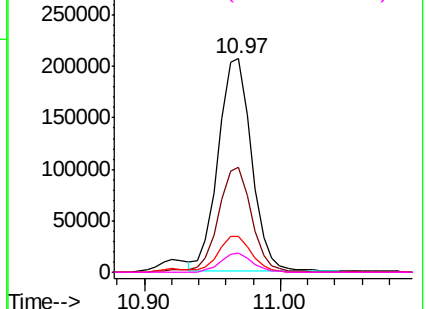


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 26.534 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW014953.D

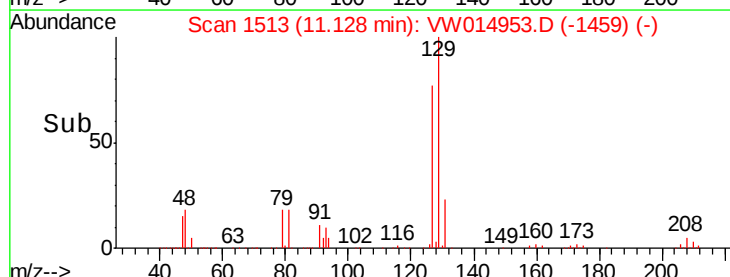
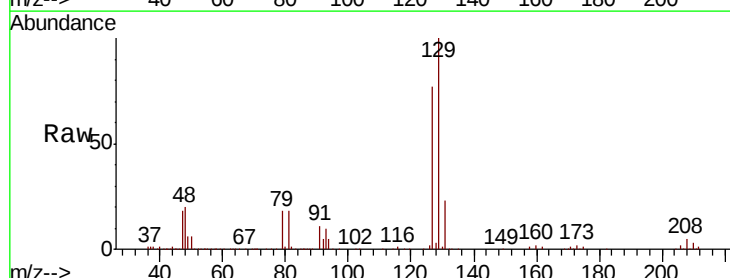
Acq: 10 Feb 2020 19:48

Tgt Ion: 129 Resp: 221591

Ion Ratio Lower Upper

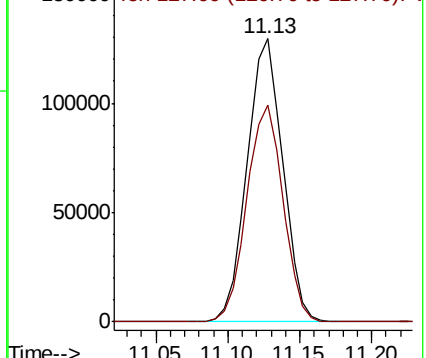
129 100

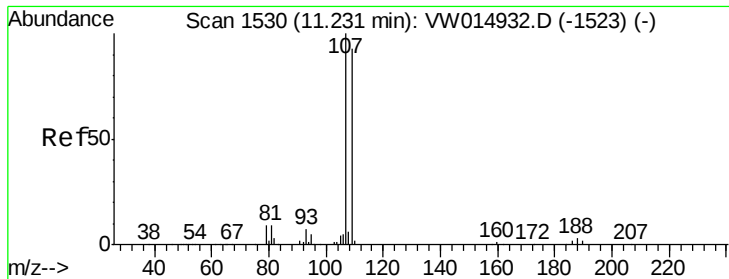
127 76.6 54.1 100.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 26.032 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW014953.D

Acq: 10 Feb 2020 19:48

Instrument :

MSVOA_W

ClientSampleId :

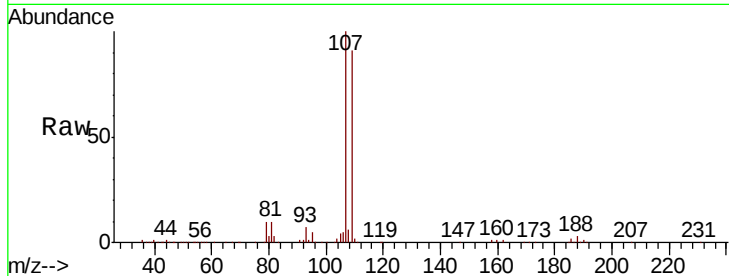
Tot Ion:107 Resp: 188206

Ion Ratio Lower Upper

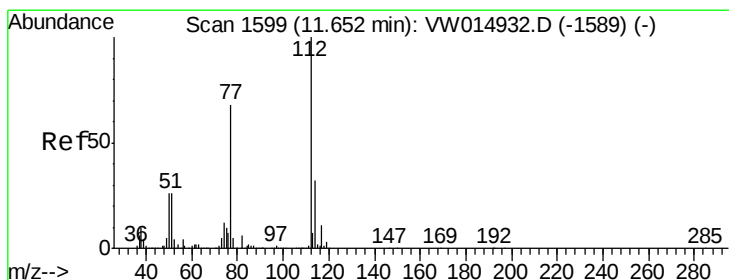
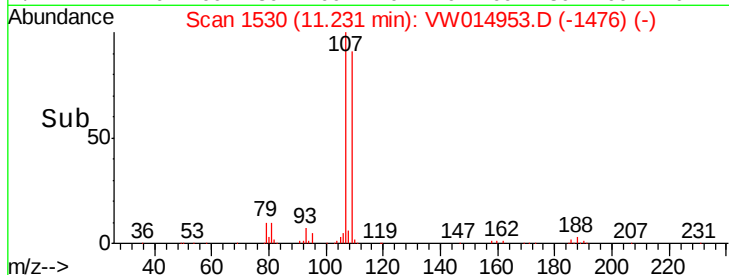
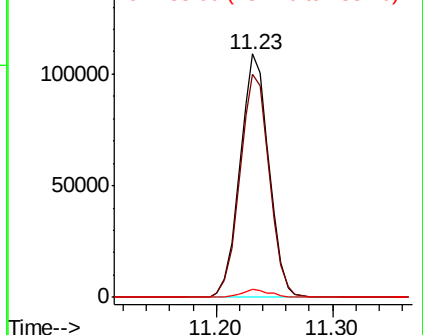
107 100

109 91.4 65.0 120.6

188 3.2 2.4 3.6



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: 25.940 ug/L

RT: 11.65 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VW014953.D

Acq: 10 Feb 2020 19:48

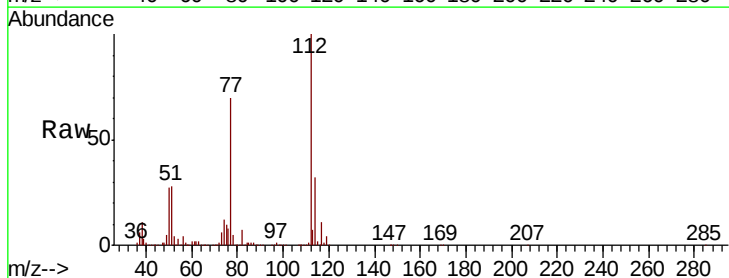
Tgt Ion:112 Resp: 710169

Ion Ratio Lower Upper

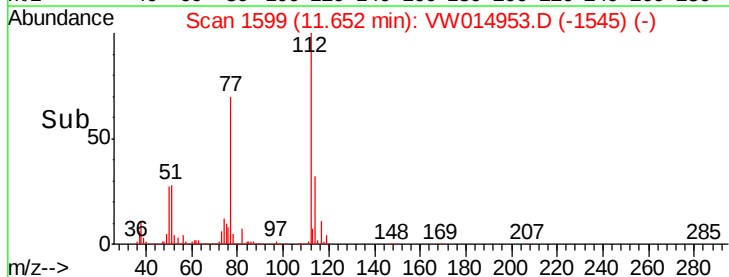
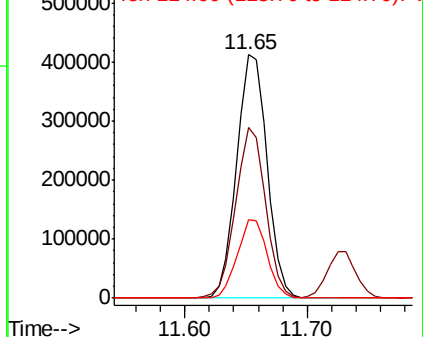
112 100

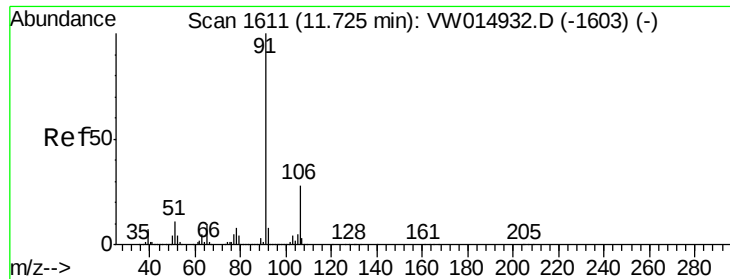
77 69.9 49.9 74.9

114 32.1 22.7 42.1



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: 27.743 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.01 min

Lab File: VW014953.D

Acq: 10 Feb 2020 19:48

Instrument :

MSVOA_W

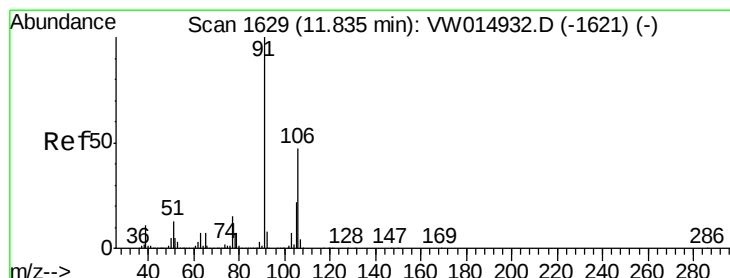
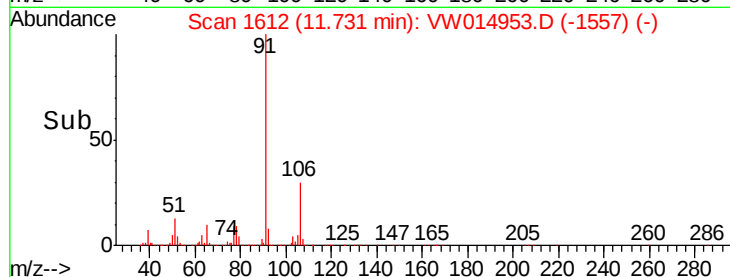
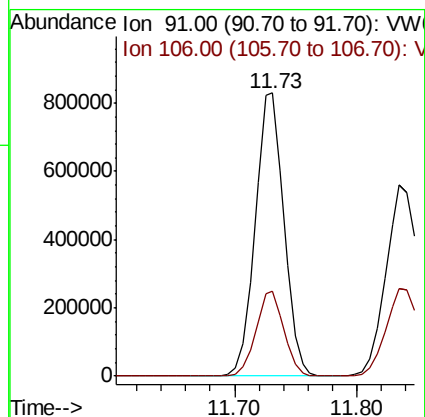
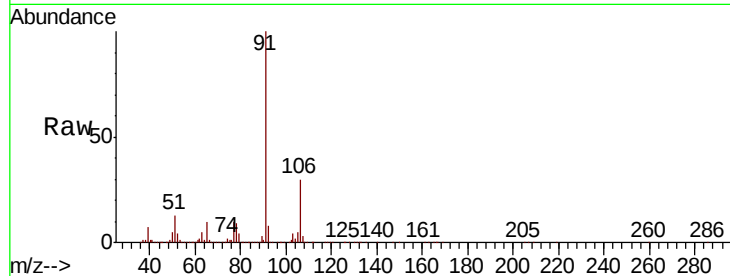
ClientSampleId :

Tot Ion: 91 Resp: 1359036

Ion Ratio Lower Upper

91 100

106 30.1 21.5 39.9



#54

m,p-Xylene

Concen: 27.161 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VW014953.D

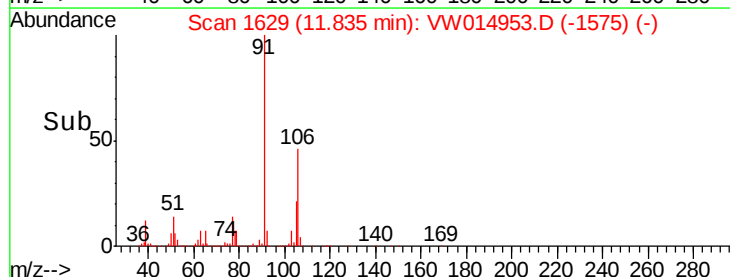
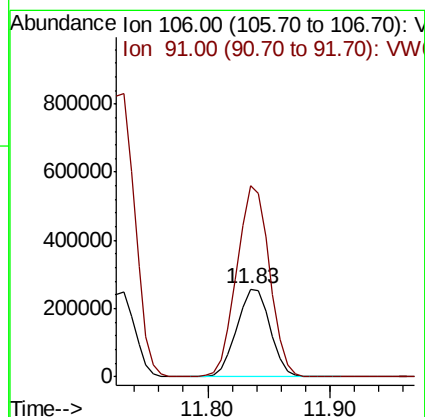
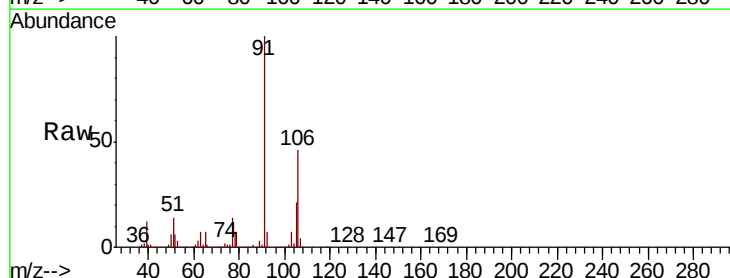
Acq: 10 Feb 2020 19:48

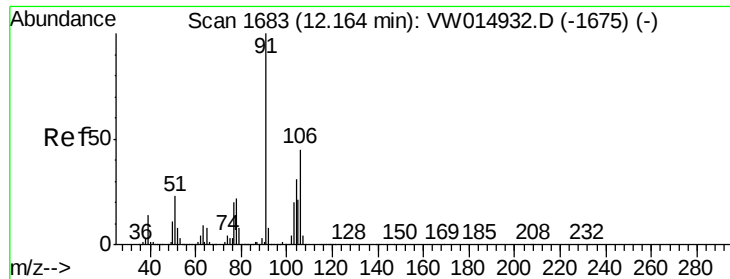
Tgt Ion: 106 Resp: 486008

Ion Ratio Lower Upper

106 100

91 217.2 143.4 266.4

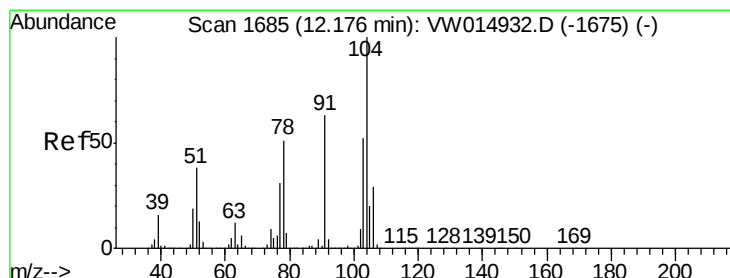
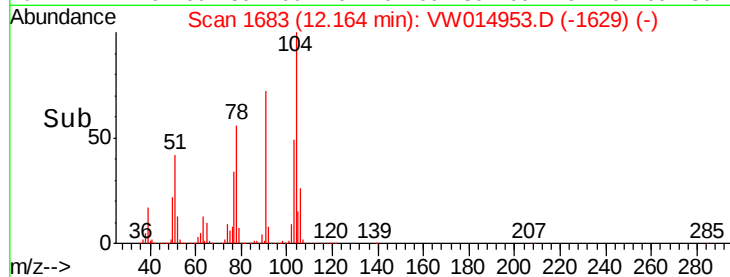
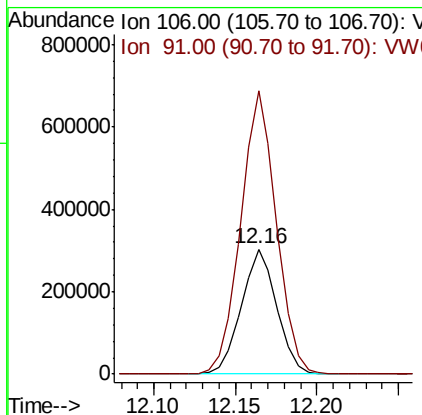
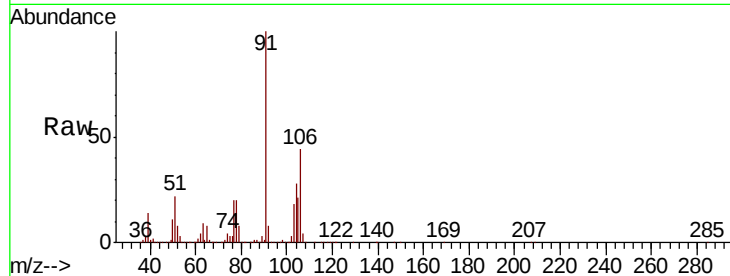




#55
o-xylene
Concen: 26.923 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW014953.D
Acq: 10 Feb 2020 19:48

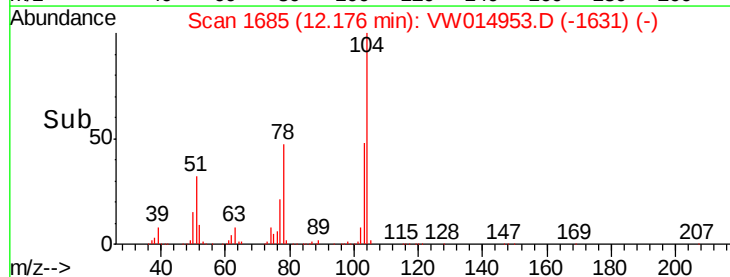
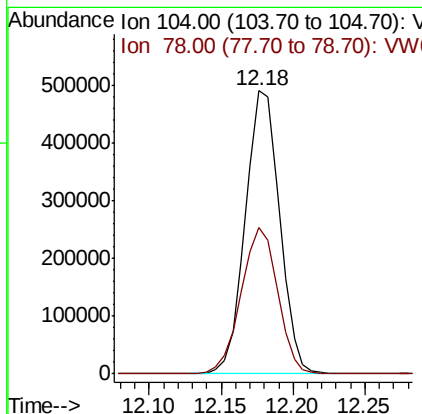
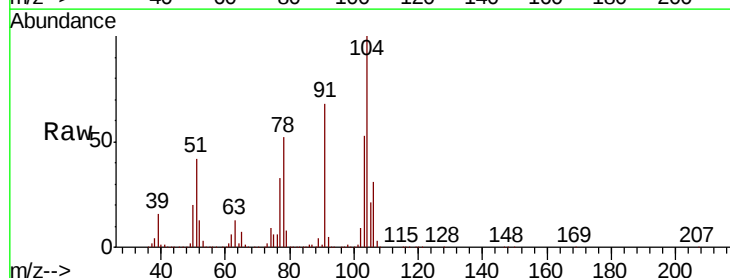
Instrument :
MSVOA_W
ClientSampleId :

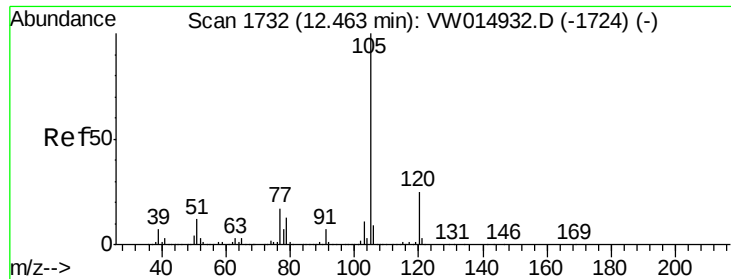
Tot Ion:106 Resp: 458498
Ion Ratio Lower Upper
106 100
91 226.4 155.0 287.9



#56
Styrene
Concen: 28.079 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW014953.D
Acq: 10 Feb 2020 19:48

Tgt Ion:104 Resp: 808177
Ion Ratio Lower Upper
104 100
78 51.8 33.8 62.8





#57

Isopropylbenzene

Concen: 27.641 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014953.D

Acq: 10 Feb 2020 19:48

Instrument :

MSVOA_W

ClientSampled :

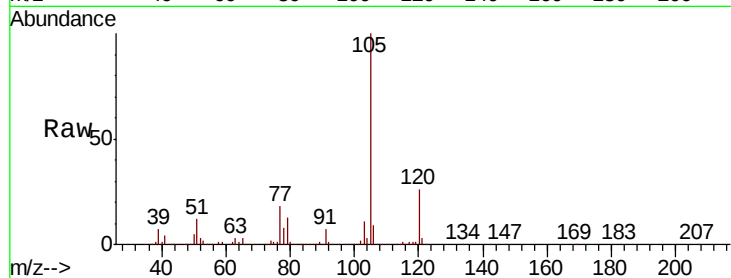
Tot Ion:105 Resp: 1264163

Ion Ratio Lower Upper

105 100

120 25.3 20.4 30.6

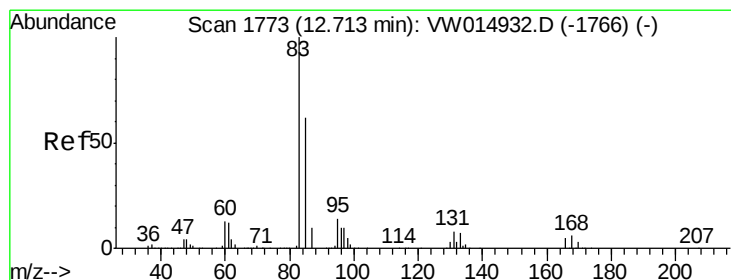
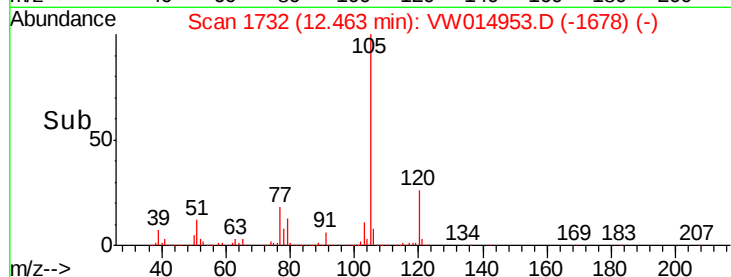
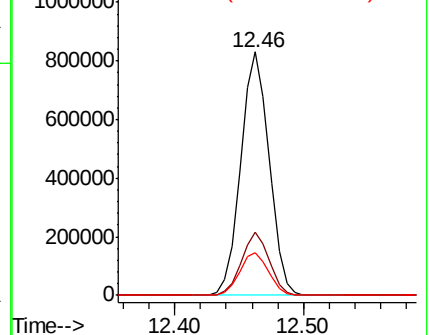
77 17.7 13.1 19.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 29.644 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014953.D

Acq: 10 Feb 2020 19:48

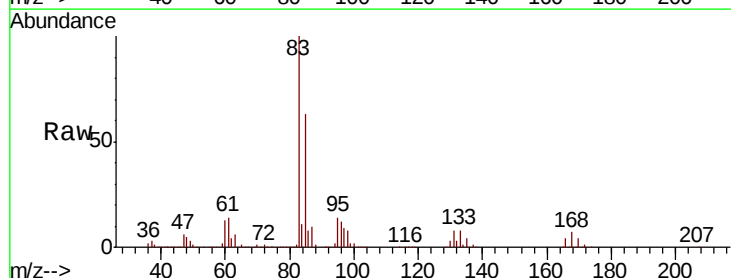
Tgt Ion: 83 Resp: 287515

Ion Ratio Lower Upper

83 100

85 62.6 45.9 85.3

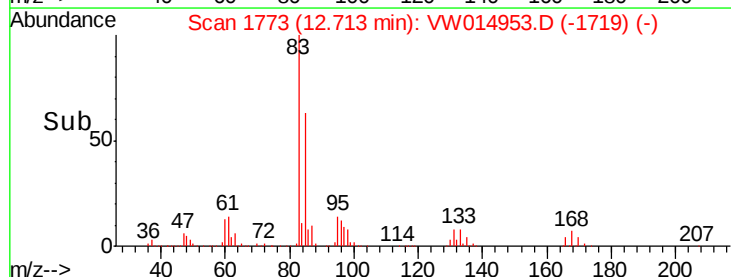
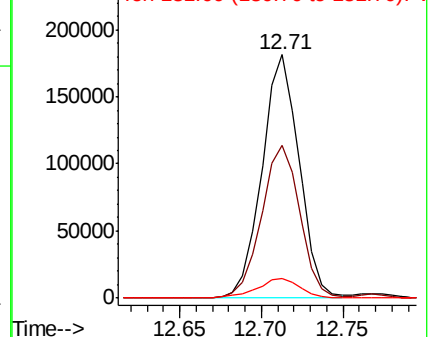
131 8.0 7.3 10.9

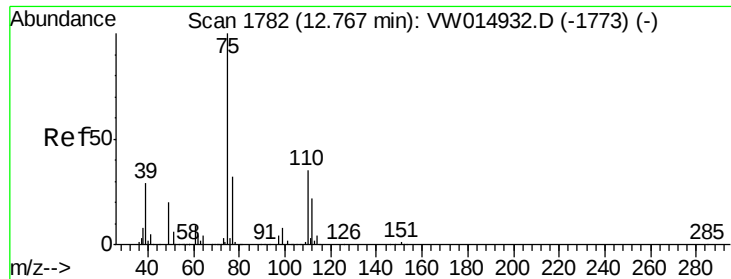


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 29.435 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW014953.D

Acq: 10 Feb 2020 19:48

Instrument :

MSVOA_W

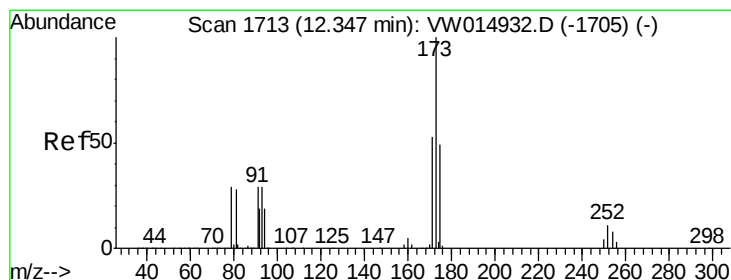
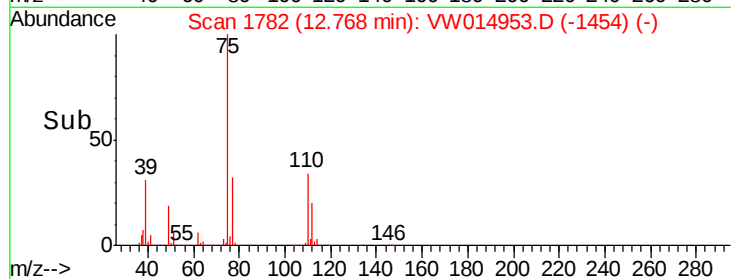
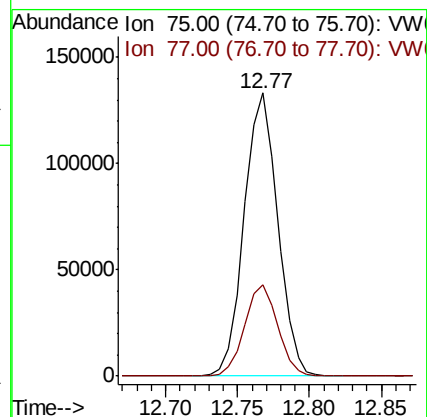
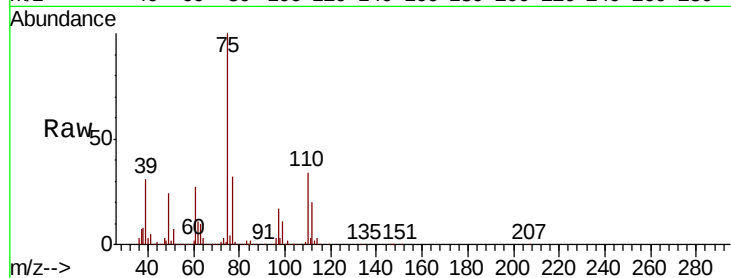
ClientSampleId :

Tot Ion: 75 Resp: 214785

Ion Ratio Lower Upper

75 100

77 31.9 25.9 38.9



#62

Bromoform

Concen: 25.356 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW014953.D

Acq: 10 Feb 2020 19:48

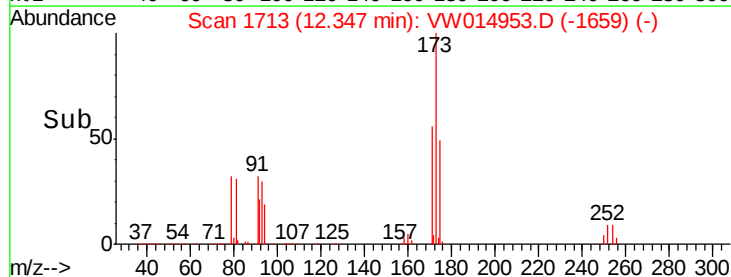
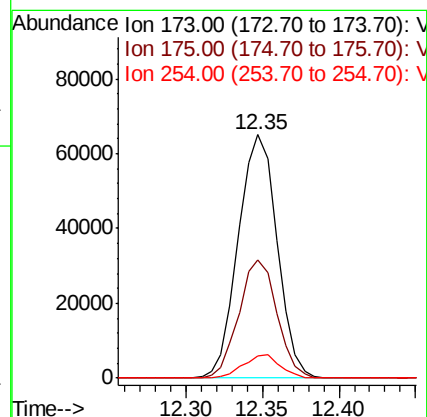
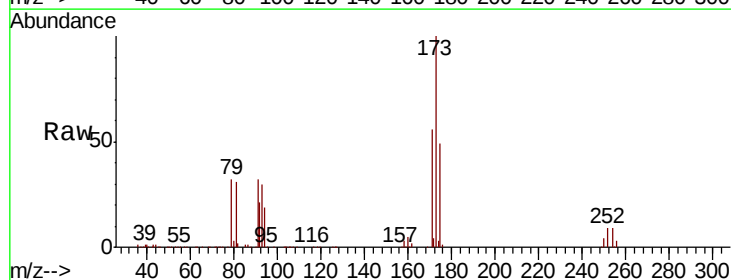
Tgt Ion: 173 Resp: 114842

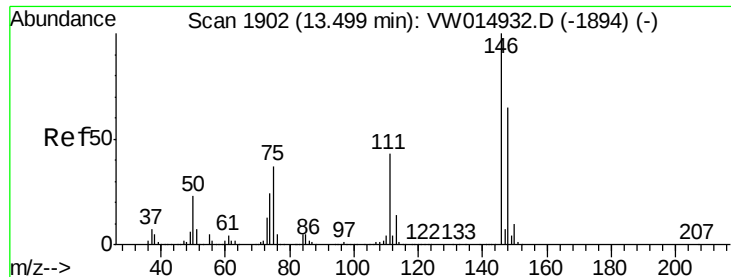
Ion Ratio Lower Upper

173 100

175 47.8 38.9 58.3

254 9.0 7.8 11.8

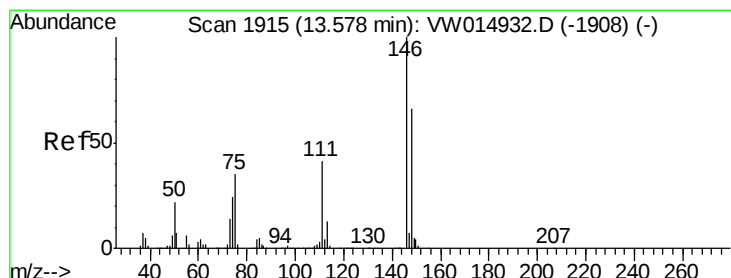
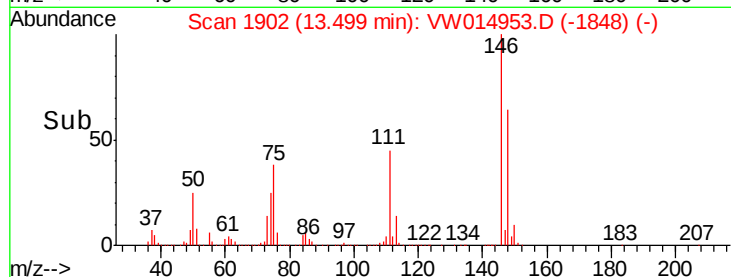
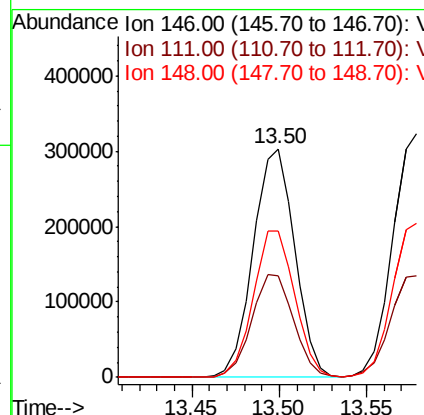
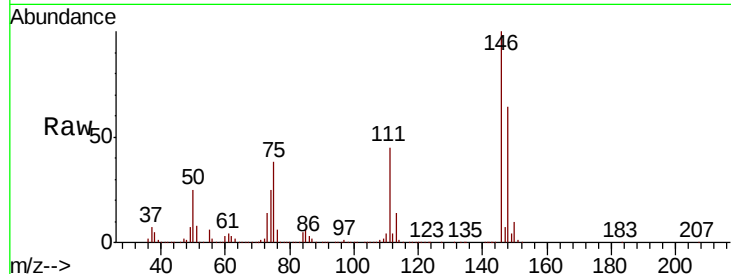




#63
 1,3-Dichlorobenzene
 Concen: 24.983 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW014953.D
 Acq: 10 Feb 2020 19:48

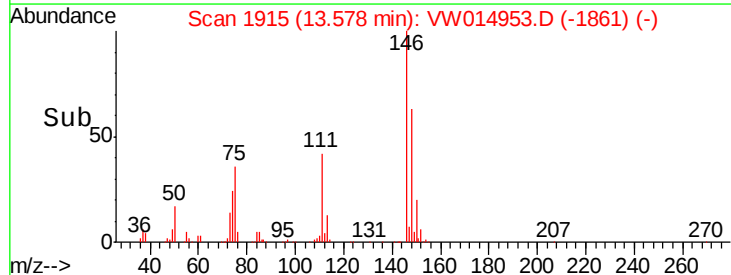
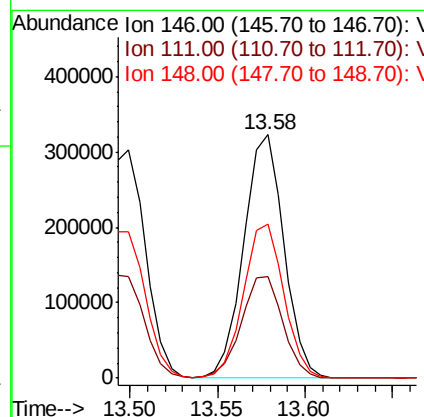
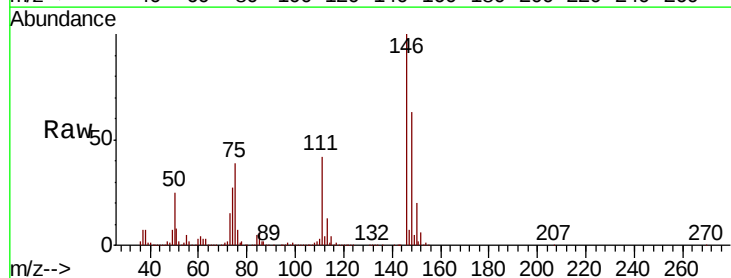
Instrument :
 MSVOA_W
 ClientSampleId :

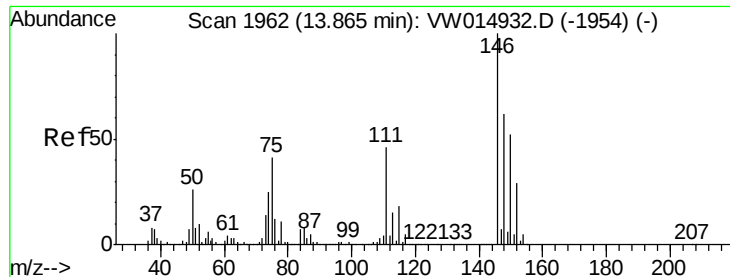
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.6	28.6	53.0
148	63.9	43.3	80.5



#64
 1,4-Dichlorobenzene
 Concen: 25.513 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW014953.D
 Acq: 10 Feb 2020 19:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	27.9	51.7
148	63.3	44.0	81.8





#65

1,2-Dichlorobenzene

Concen: 25.635 ug/L

RT: 13.87 min Scan# 1962

Delta R.T. 0.00 min

Lab File: VW014953.D

Acq: 10 Feb 2020 19:48

Instrument :

MSVOA_W

ClientSampleId :

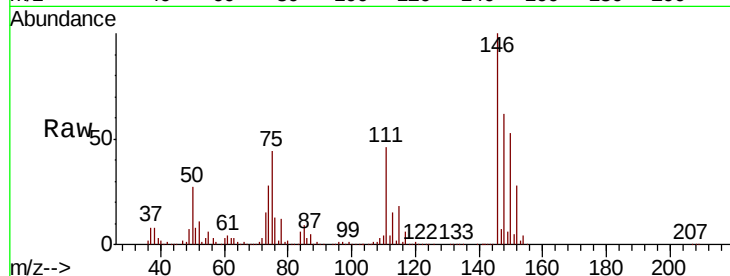
Tot Ion:146 Resp: 470571

Ion Ratio Lower Upper

146 100

111 46.1 35.0 52.6

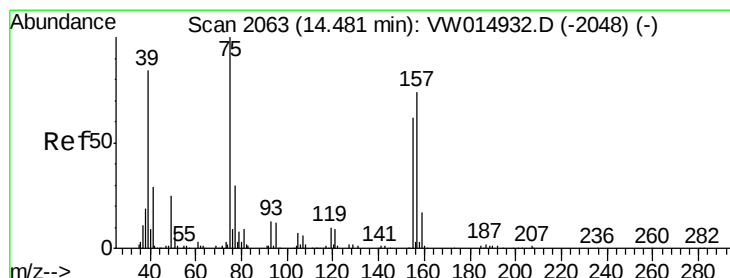
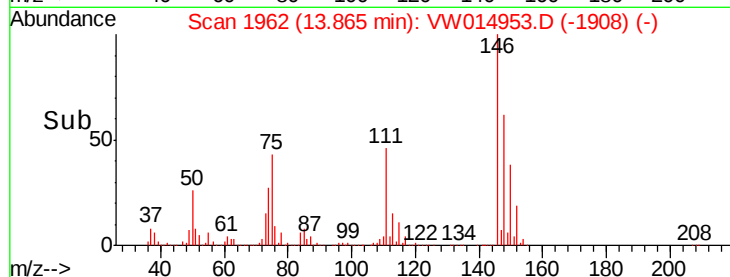
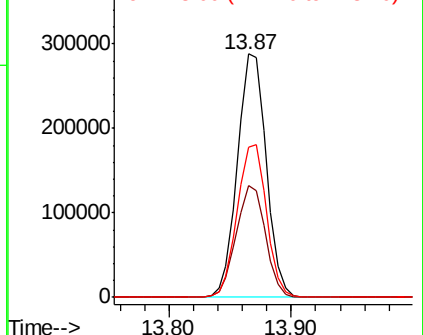
148 61.8 51.1 76.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 29.050 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VW014953.D

Acq: 10 Feb 2020 19:48

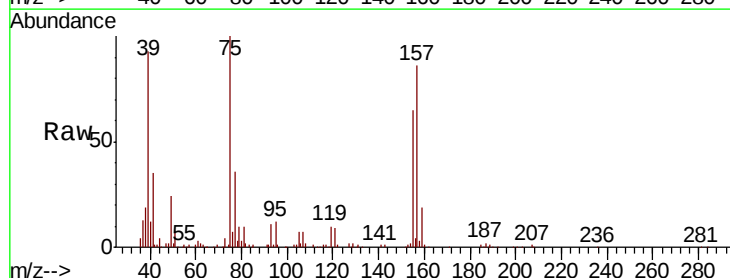
Tgt Ion: 75 Resp: 45469

Ion Ratio Lower Upper

75 100

157 85.6 74.2 111.4

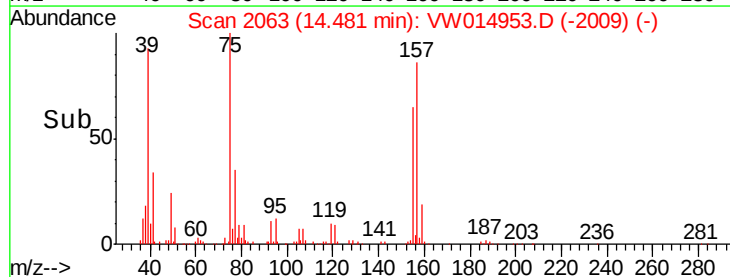
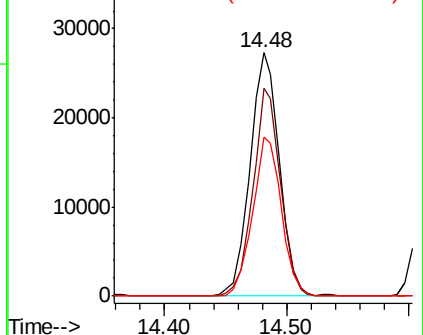
155 65.2 56.1 84.1

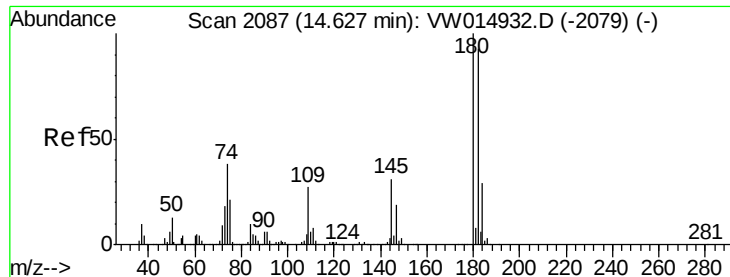


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

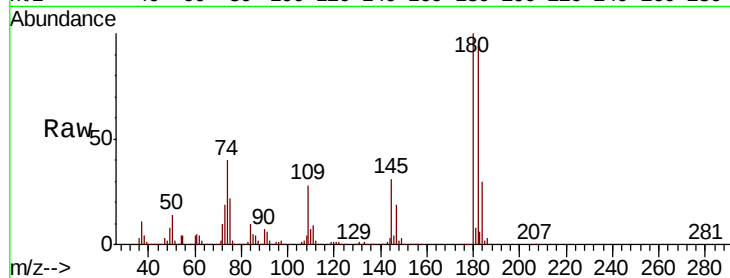




#67
 1,3,5-Trichlorobenzene
 Concen: 24.406 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW014953.D
 Acq: 10 Feb 2020 19:48

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.5	113.3
184	29.5	24.6	36.8
145	31.5	23.7	35.5



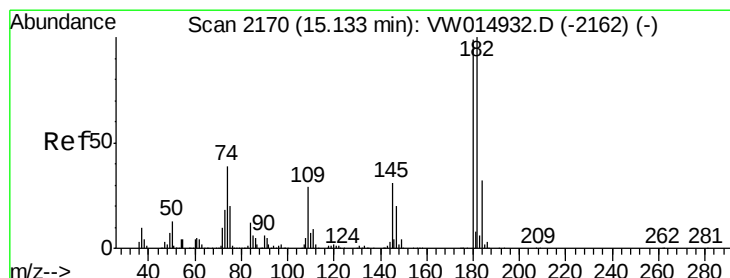
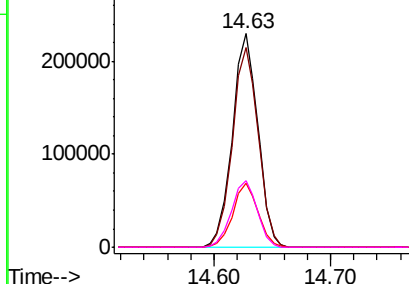
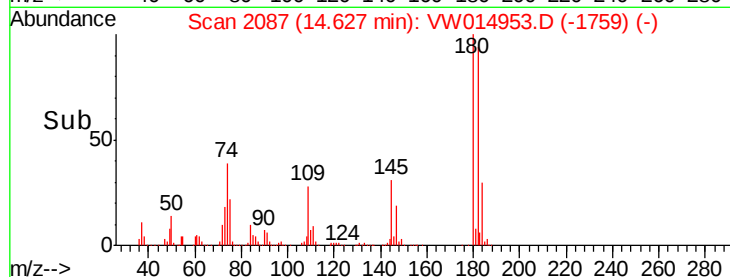
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

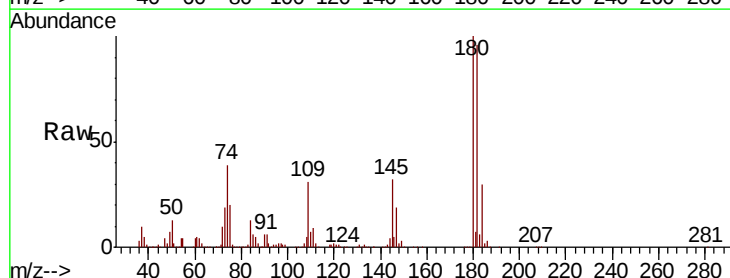
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 24.215 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014953.D
 Acq: 10 Feb 2020 19:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.4	114.6
145	32.0	24.6	37.0

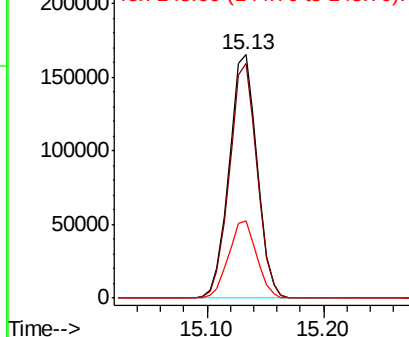
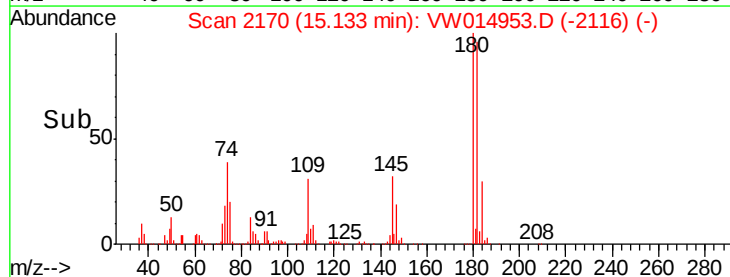


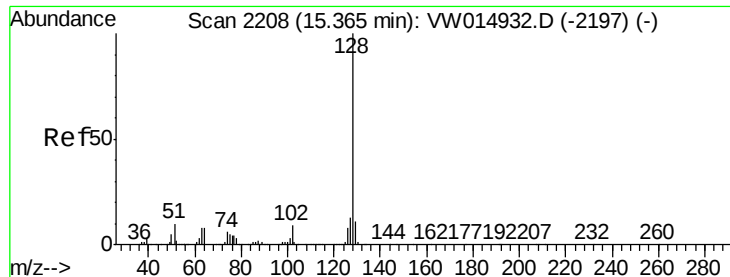
Abundance

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





#69

Naphthalene

Concen: 26.136 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW014953.D

Acq: 10 Feb 2020 19:48

Instrument :

MSVOA_W

ClientSampleId :

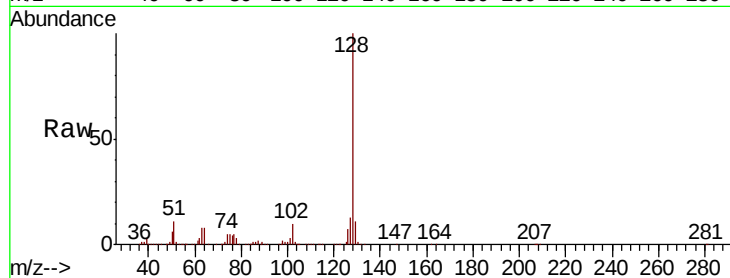
Tot Ion:128 Resp: 583850

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

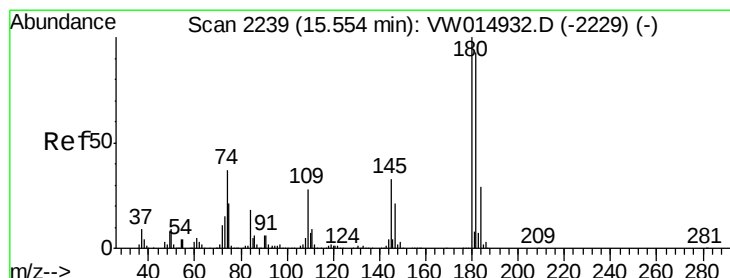
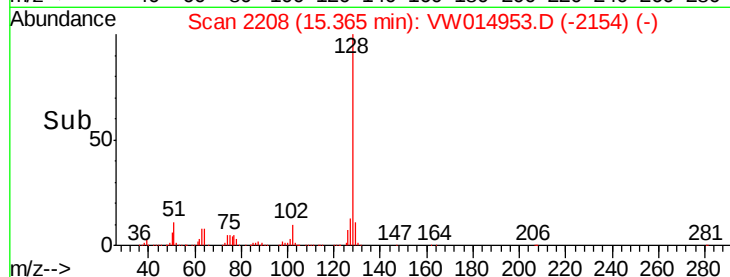
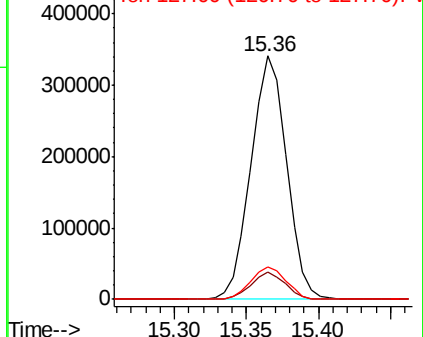
127 13.4 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 25.098 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW014953.D

Acq: 10 Feb 2020 19:48

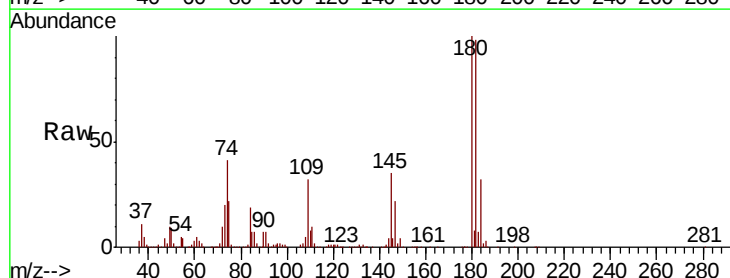
Tgt Ion:180 Resp: 263175

Ion Ratio Lower Upper

180 100

182 95.2 75.3 112.9

145 34.5 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

