

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032520\
 Data File : VW015131.D
 Acq On : 25 Mar 2020 10:29
 Operator : SY/VA
 Sample : VSTD02504
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 25 14:00:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 25 13:57:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	559137	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	509070	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	225333	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	203572	15.58	ug/L	0.00
7) Chloroethane-d5	2.89	69	169112	17.59	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	425016	20.20	ug/L	0.00
20) 2-Butanone-d5	7.08	46	94189	41.48	ug/L	0.00
24) Chloroform-d	7.65	84	348240	19.65	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.30	65	199840	20.06	ug/L	0.00
29) Benzene-d6	8.27	84	680834	20.25	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	223722	19.87	ug/L	0.00
37) Toluene-d8	10.32	98	595789	21.25	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	86622	20.73	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	68051	45.00	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	154884	21.03	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	161195	20.21	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	104256	22.194	ug/L 100
3) Chloromethane	2.21	50	178493	17.177	ug/L 100
5) Vinyl chloride	2.37	62	274385	20.267	ug/L 100
6) Bromomethane	2.78	94	147997	23.484	ug/L 100
8) Chloroethane	2.93	64	170084	22.582	ug/L 100
9) Trichlorofluoromethane	3.26	101	155759	24.669	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	215896	24.775	ug/L 100
12) 1,1-Dichloroethene	4.04	96	205940	24.905	ug/L 100
13) Acetone	4.12	43	94491	37.215	ug/L 100
14) Carbon disulfide	4.38	76	779877	24.986	ug/L 100
15) Methyl Acetate	4.67	43	114661	24.819	ug/L 100
16) Methylene chloride	4.92	84	228612	22.312	ug/L 100
17) Methyl tert-butyl Ether	5.43	73	275047	26.977	ug/L 100
18) trans-1,2-Dichloroethene	5.43	96	214251	24.982	ug/L 100
19) 1,1-Dichloroethane	6.22	63	459180	24.125	ug/L 100
21) 2-Butanone	7.17	43	140321	45.059	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	214124	24.679	ug/L 100
23) Bromochloromethane	7.51	128	87418	25.616	ug/L 100
25) Chloroform	7.68	83	413874	23.908	ug/L 100
27) 1,2-Dichloroethane	8.40	62	301817	25.259	ug/L 100
30) Cyclohexane	7.96	56	436062	26.007	ug/L 100
31) 1,1,1-Trichloroethane	7.87	97	331152	25.292	ug/L 100
32) Carbon tetrachloride	8.07	117	288977	24.756	ug/L 100
34) Benzene	8.32	78	958521	25.598	ug/L 100
35) Trichloroethene	9.09	95	228962	25.083	ug/L 100
36) Methylcyclohexane	9.34	83	399921	25.709	ug/L 100
40) 1,2-Dichloropropane	9.37	63	259818	24.993	ug/L 100
41) Bromodichloromethane	9.64	83	293565	25.025	ug/L 100
42) cis-1,3-Dichloropropene	10.07	75	346334	25.585	ug/L 100
43) 4-Methyl-2-pentanone	10.21	43	309146	52.943	ug/L 100

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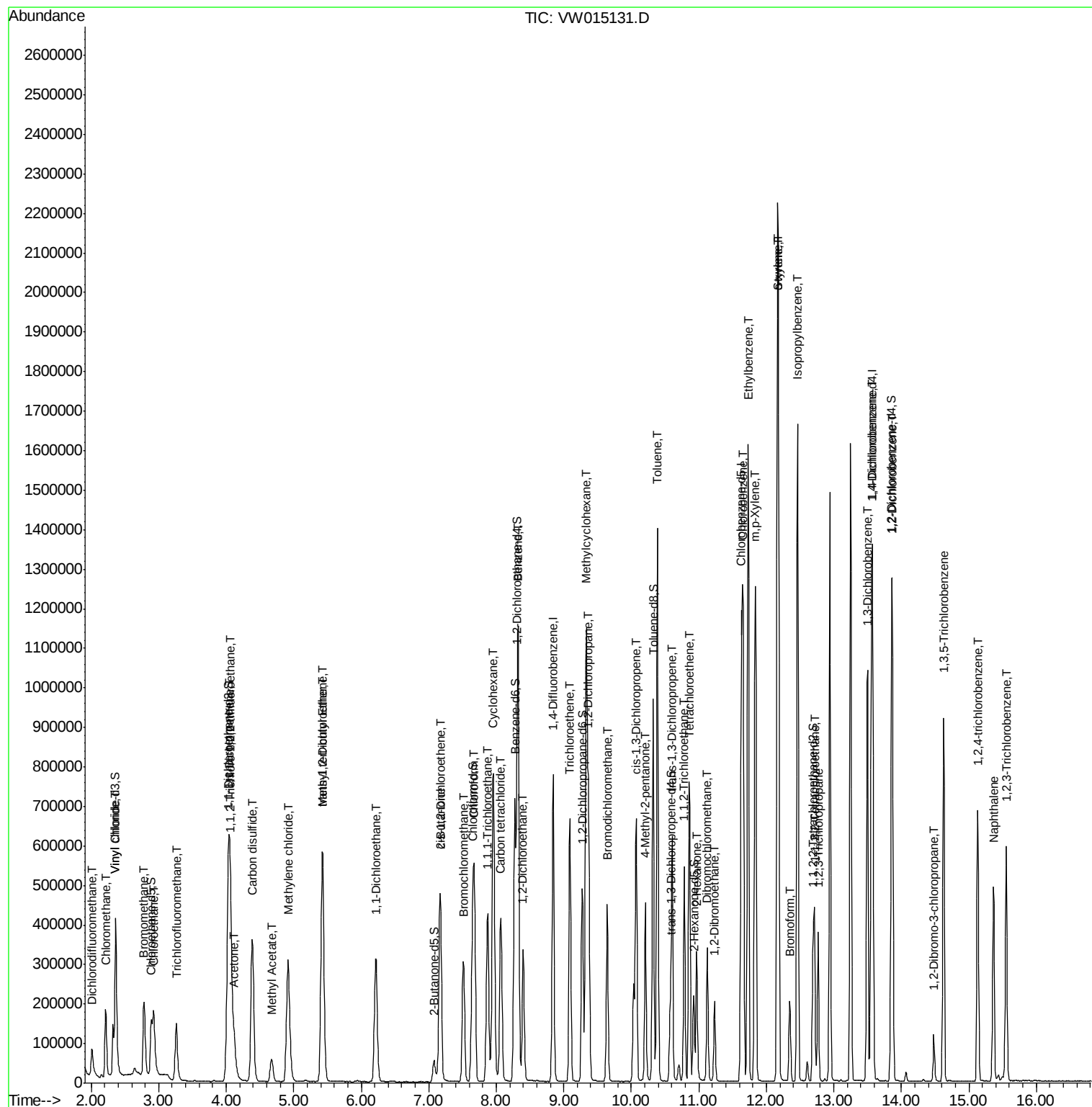
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	967788	26.550	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	306588	27.511	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	153831	25.964	ug/L	100
47) Tetrachloroethene	10.86	164	145943	24.879	ug/L	100
49) 2-Hexanone	10.97	43	215564	51.697	ug/L	100
50) Dibromochloromethane	11.13	129	158763	25.347	ug/L	100
51) 1,2-Dibromoethane	11.24	107	136662	26.436	ug/L	100
52) Chlorobenzene	11.66	112	537763	25.018	ug/L	100
53) Ethylbenzene	11.73	91	1048816	26.273	ug/L	100
54) m,p-Xylene	11.84	106	372590	26.721	ug/L	100
55) o-xylene	12.16	106	350294	26.869	ug/L	100
56) Styrene	12.18	104	607916	27.297	ug/L	100
57) Isopropylbenzene	12.46	105	960153	27.026	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	195525	26.124	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	145766	25.399	ug/L	100
62) Bromoform	12.35	173	81583	25.709	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	363315	24.940	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	371834	24.712	ug/L	100
65) 1,2-Dichlorobenzene	13.87	146	336136	25.383	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.48	75	30796	26.096	ug/L	100
67) 1,3,5-Trichlorobenzene	14.63	180	231012	23.934	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	181775	25.501	ug/L	100
69) Naphthalene	15.36	128	376519	46.759	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	170541	26.574	ug/L	100

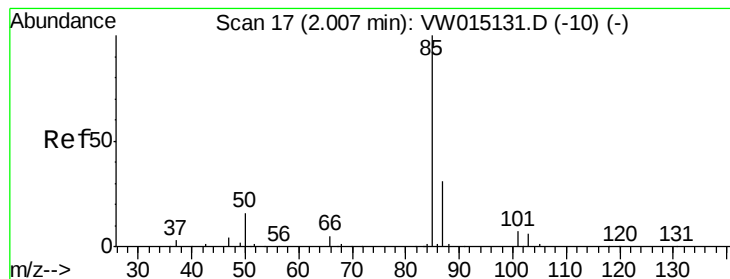
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.194 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW015131.D

Acq: 25 Mar 2020 10:29

Instrument :

MSVOA_W

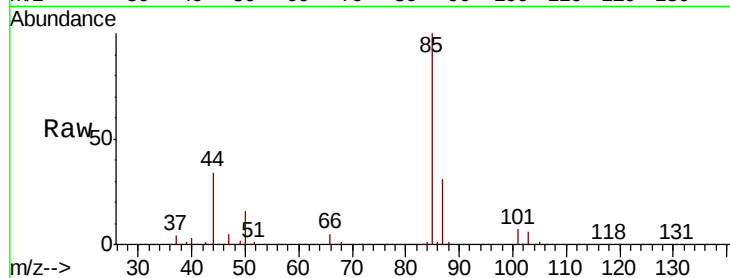
ClientSampleId :

Tot Ion: 85 Resp: 104256

Ion Ratio Lower Upper

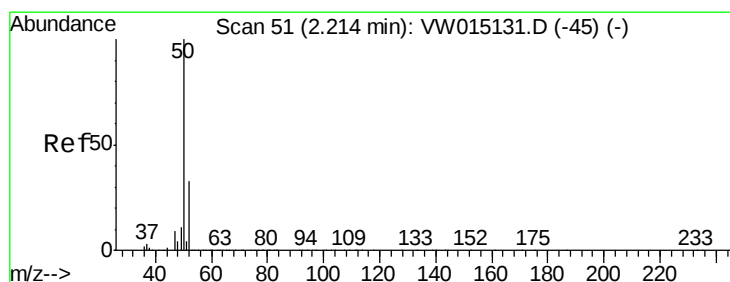
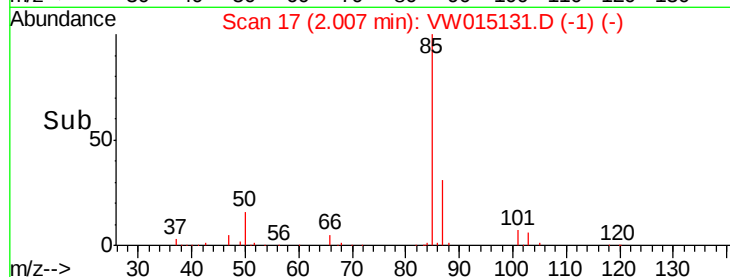
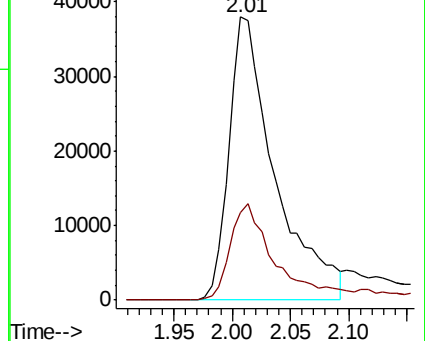
85 100

87 33.5 23.4 43.6



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 17.177 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015131.D

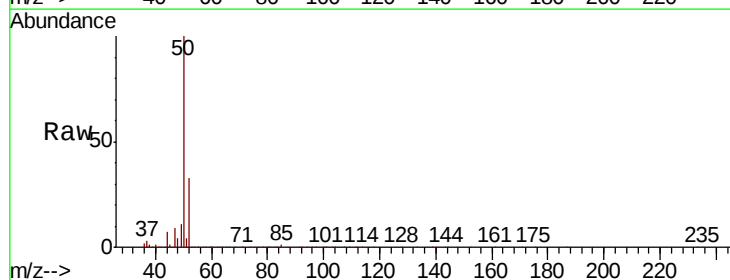
Acq: 25 Mar 2020 10:29

Tgt Ion: 50 Resp: 178493

Ion Ratio Lower Upper

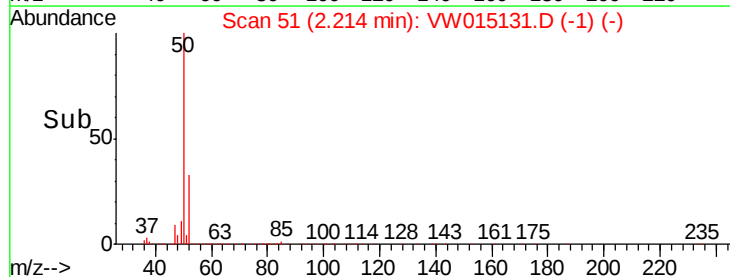
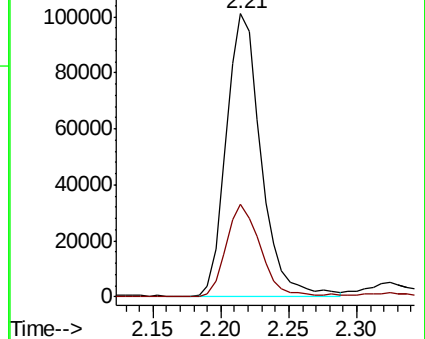
50 100

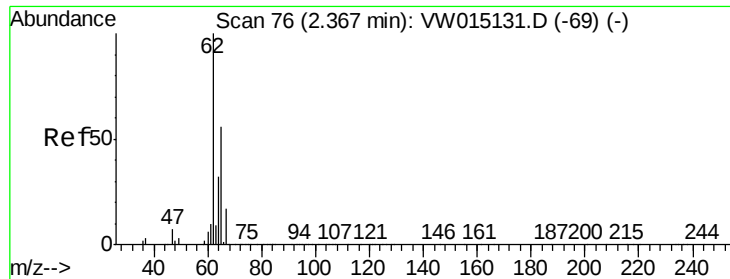
52 32.9 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 20.267 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015131.D

Acq: 25 Mar 2020 10:29

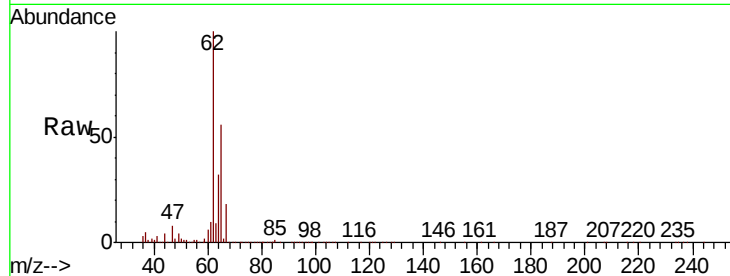
Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 62 Resp: 274385

Ion	Ratio	Lower	Upper
62	100		
64	32.5	22.7	42.3

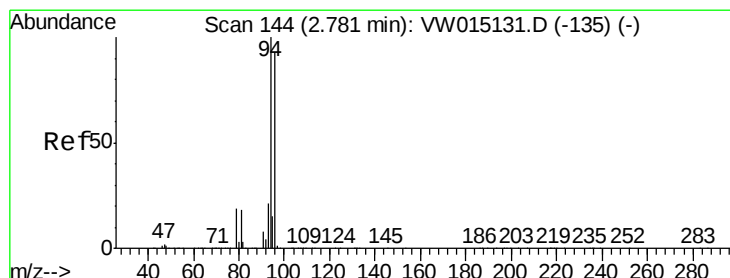
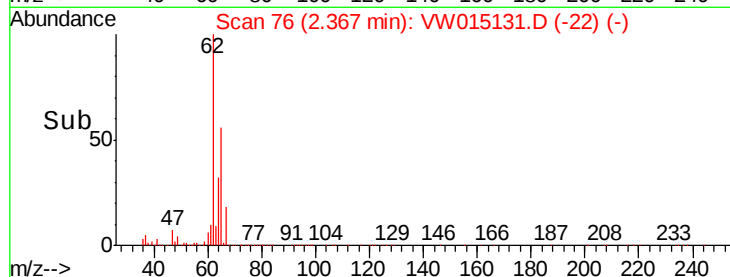


Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW

2.37

Time-->



#6

Bromomethane

Concen: 23.484 ug/L

RT: 2.78 min Scan# 144

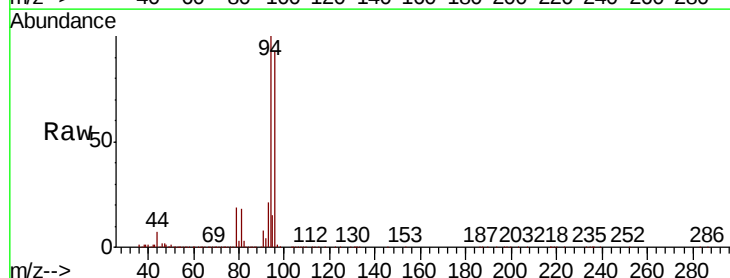
Delta R.T. 0.00 min

Lab File: VW015131.D

Acq: 25 Mar 2020 10:29

Tgt Ion: 94 Resp: 147997

Ion	Ratio	Lower	Upper
94	100		
96	93.3	9.3	177.3

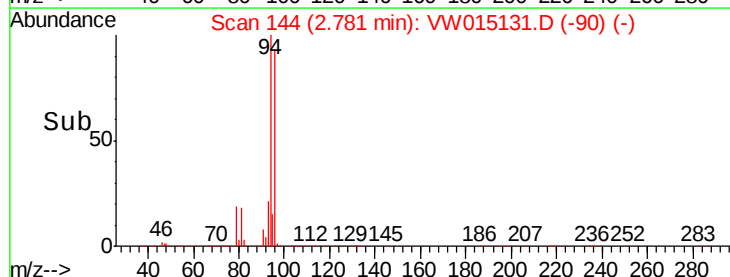


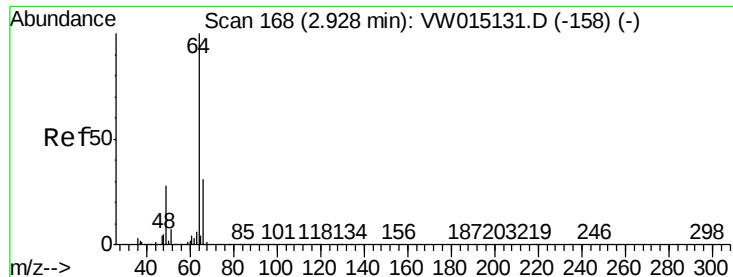
Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW

2.78

Time-->





#8

Chloroethane

Concen: 22.582 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW015131.D

Acq: 25 Mar 2020 10:29

Instrument :

MSVOA_W

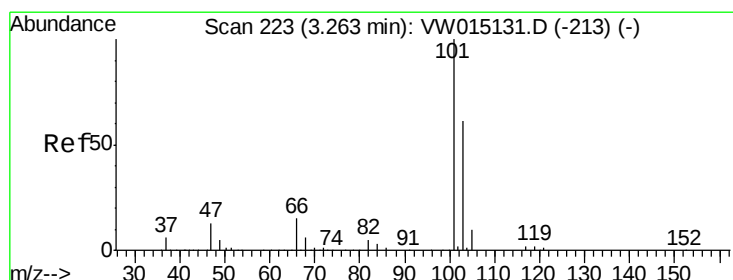
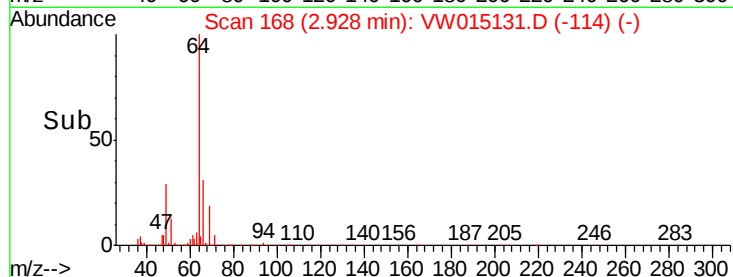
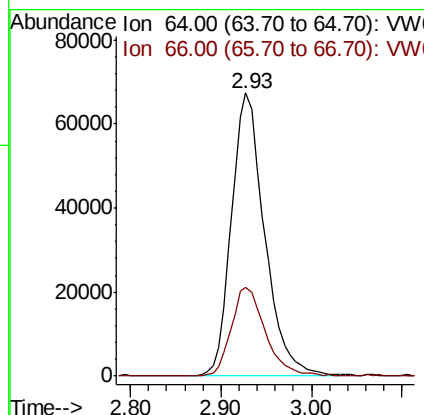
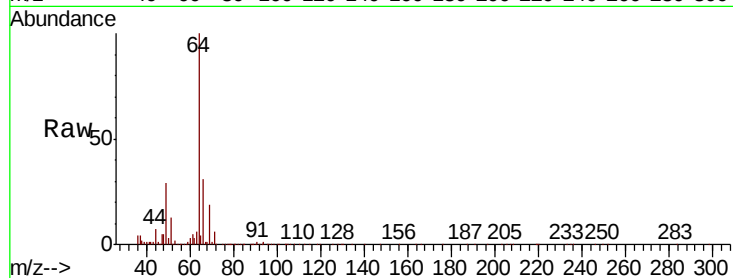
ClientSampleId :

Tot Ion: 64 Resp: 170084

Ion Ratio Lower Upper

64 100

66 31.2 21.8 40.6



#9

Trichlorofluoromethane

Concen: 24.669 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW015131.D

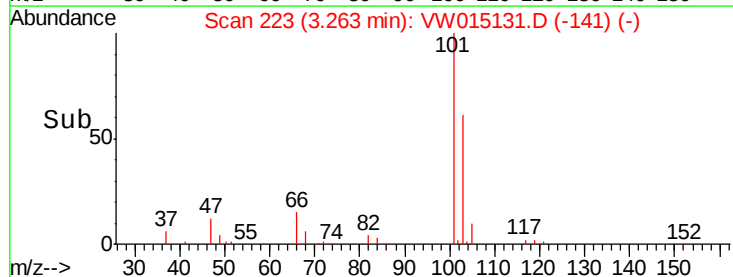
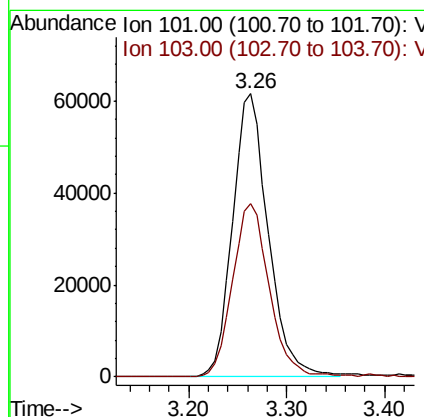
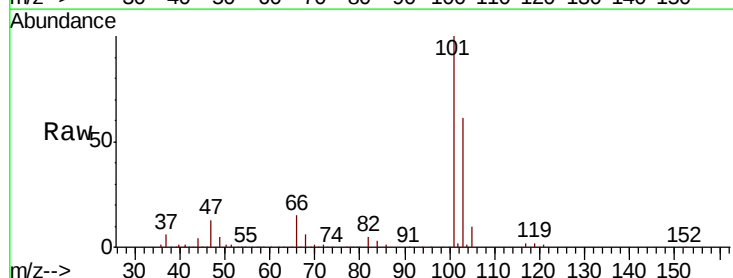
Acq: 25 Mar 2020 10:29

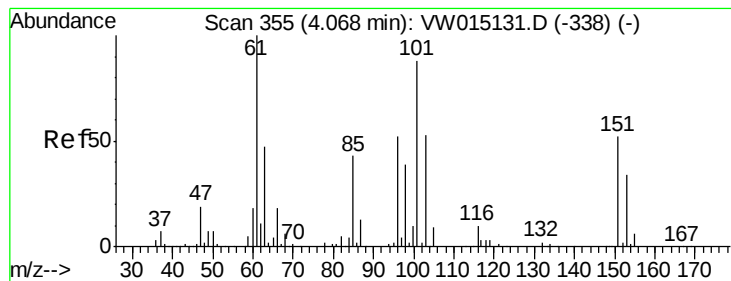
Tgt Ion: 101 Resp: 155759

Ion Ratio Lower Upper

101 100

103 62.6 43.8 81.4





#11

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

Concen: 24.775 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW015131.D

Acq: 25 Mar 2020 10:29

Instrument :

MSVOA_W

ClientSampled :

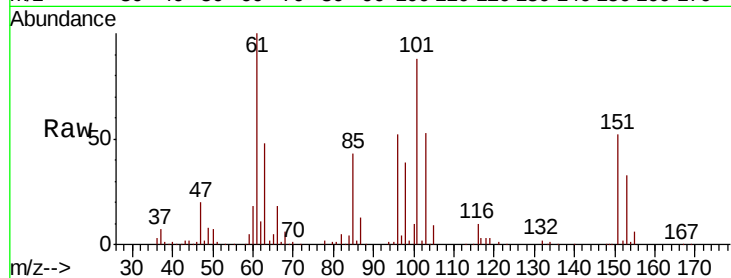
Tot Ion:101 Resp: 215896

Ion Ratio Lower Upper

101 100

85 47.2 37.8 56.6

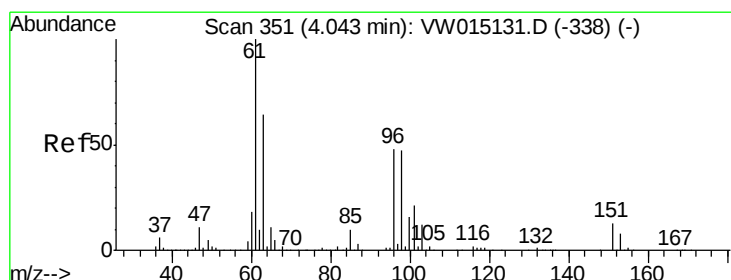
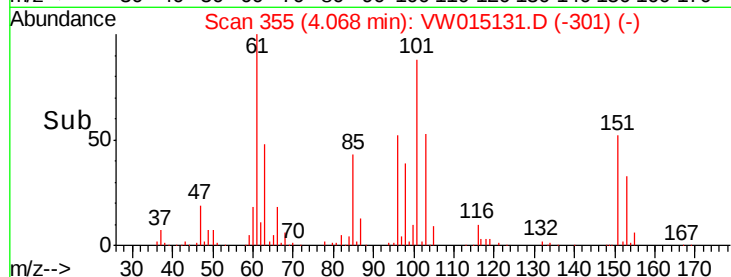
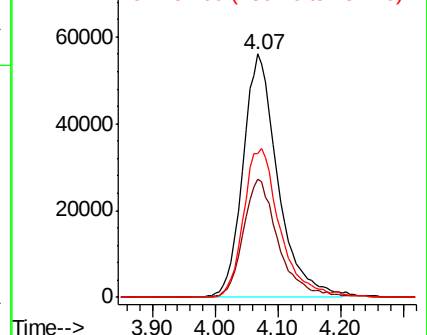
151 62.8 50.2 75.4



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: 24.905 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW015131.D

Acq: 25 Mar 2020 10:29

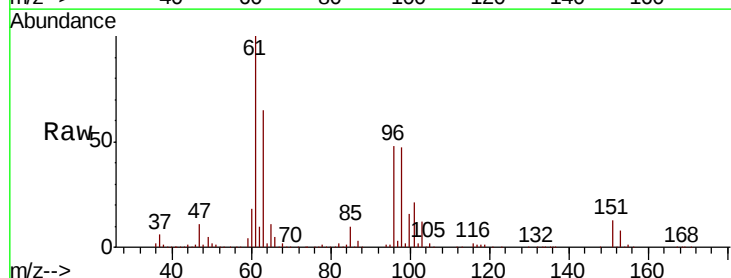
Tgt Ion: 96 Resp: 205940

Ion Ratio Lower Upper

96 100

61 208.8 146.2 271.4

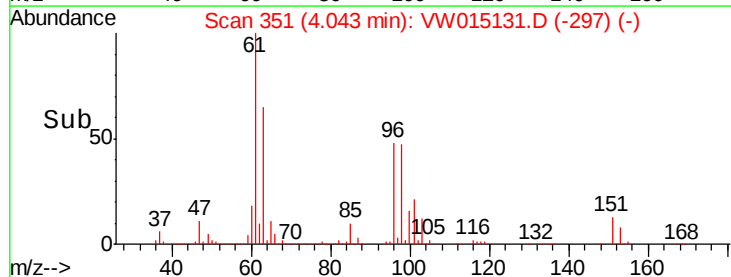
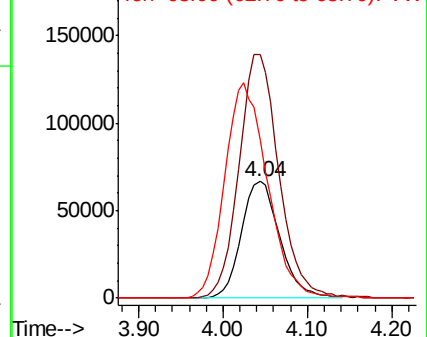
63 135.7 95.0 176.4

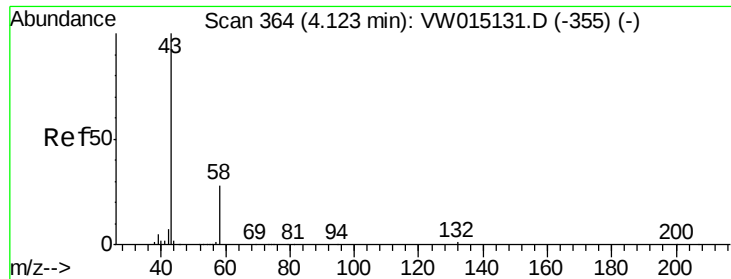


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

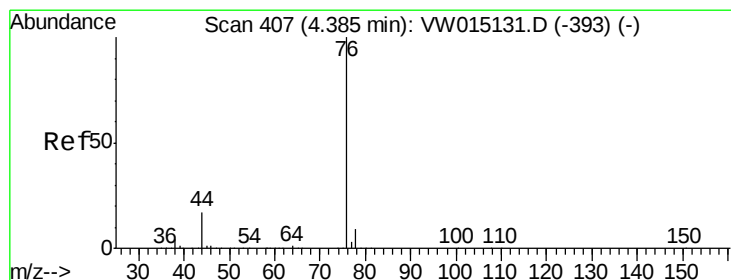
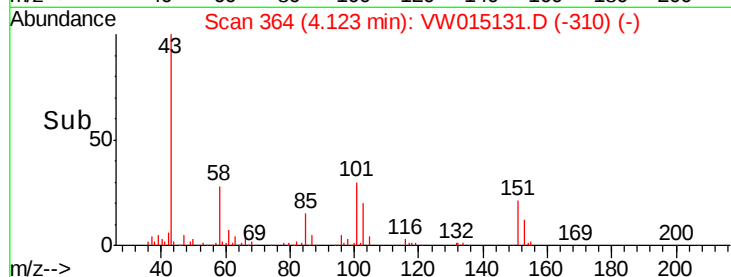
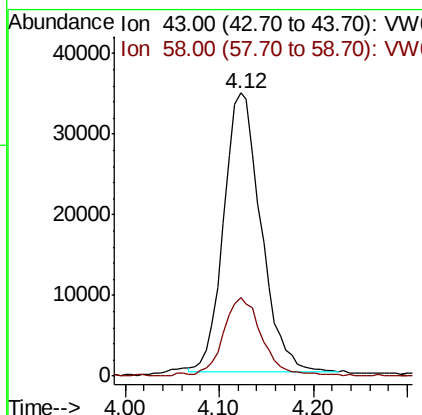
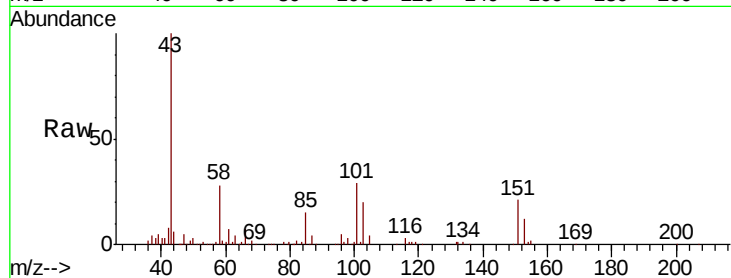




#13
Acetone
Concen: 37.215 ug/L
RT: 4.12 min Scan# 364
Delta R.T. 0.00 min
Lab File: VW015131.D
Acq: 25 Mar 2020 10:29

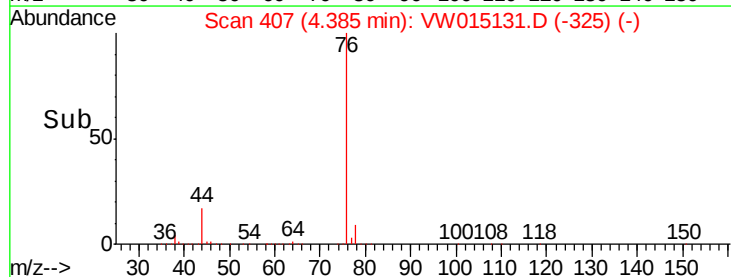
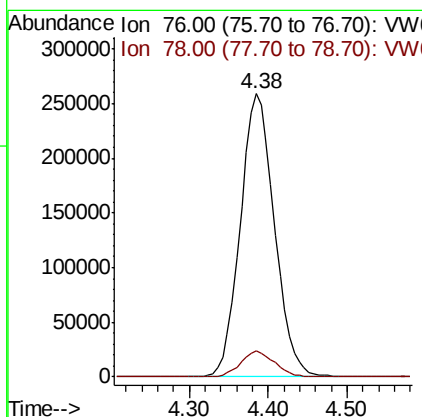
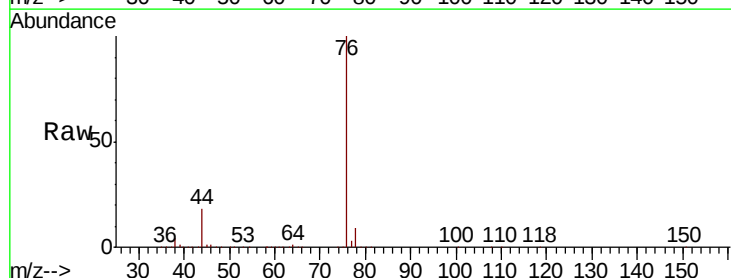
Instrument :
MSVOA_W
ClientSampleId :

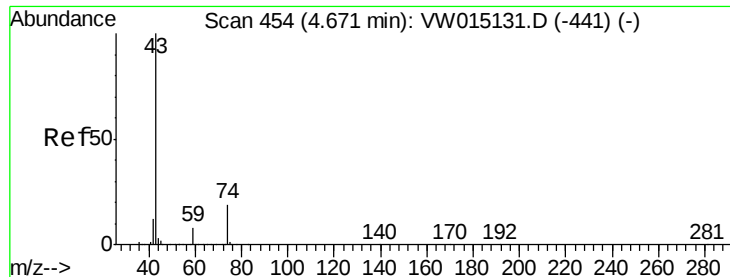
Tot Ion: 43 Resp: 94491
Ion Ratio Lower Upper
43 100
58 27.2 0.0 54.4



#14
Carbon disulfide
Concen: 24.986 ug/L
RT: 4.38 min Scan# 407
Delta R.T. 0.00 min
Lab File: VW015131.D
Acq: 25 Mar 2020 10:29

Tgt Ion: 76 Resp: 779877
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9

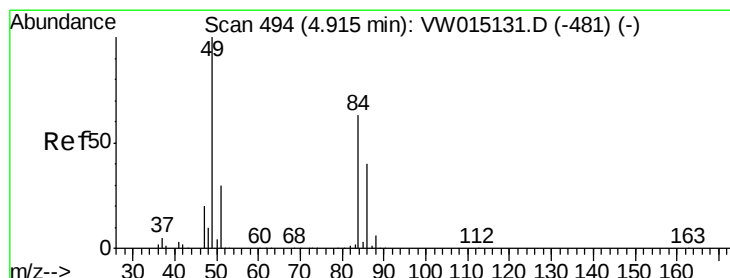
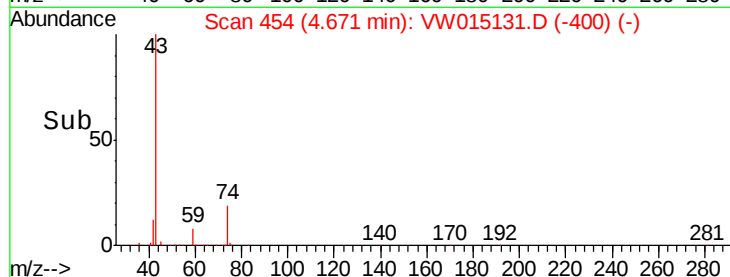
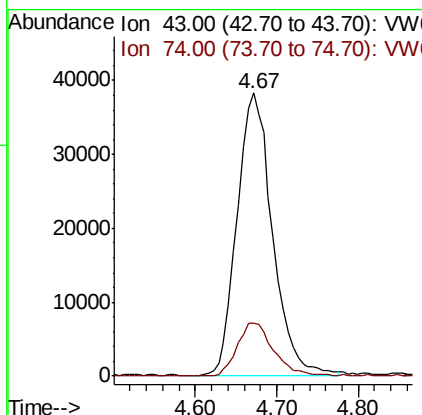
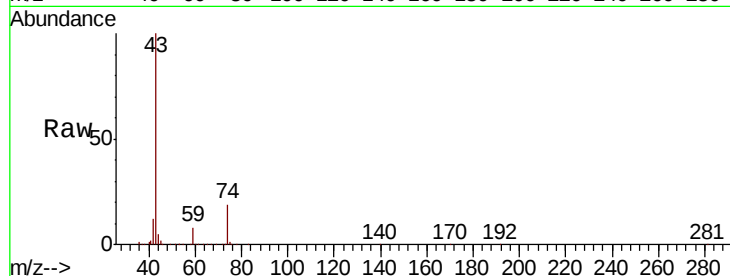




#15
Methyl Acetate
Concen: 24.819 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW015131.D
Acq: 25 Mar 2020 10:29

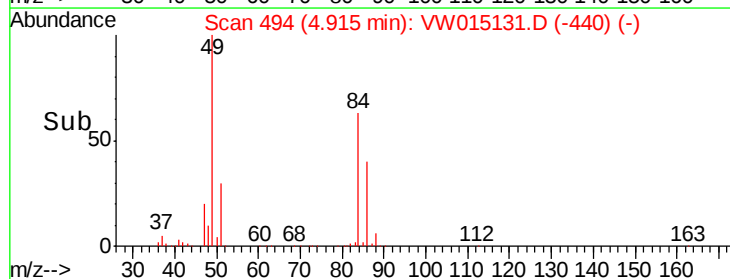
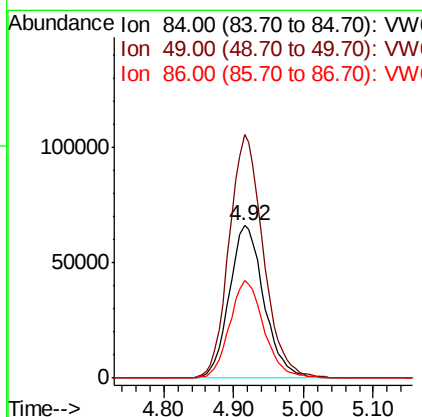
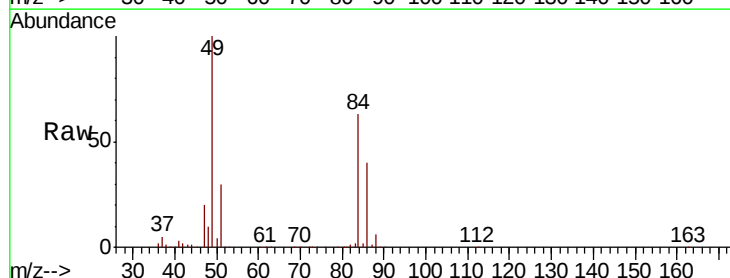
Instrument :
MSVOA_W
ClientSampleId :

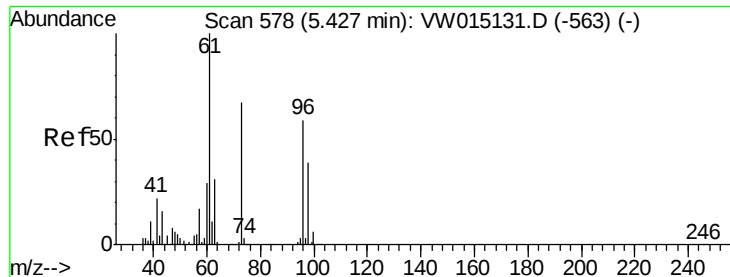
Tot Ion: 43 Resp: 114661
Ion Ratio Lower Upper
43 100
74 19.4 15.5 23.3



#16
Methylene chloride
Concen: 22.312 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW015131.D
Acq: 25 Mar 2020 10:29

Tgt Ion: 84 Resp: 228612
Ion Ratio Lower Upper
84 100
49 159.6 111.7 207.5
86 63.8 44.7 82.9

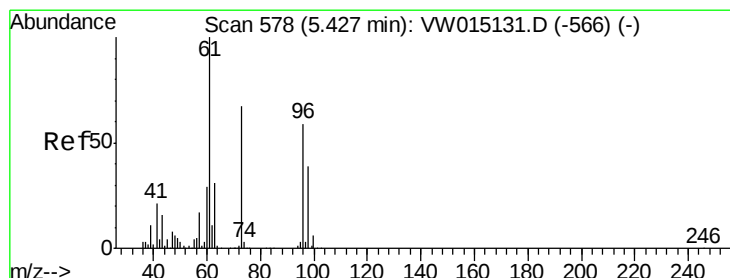
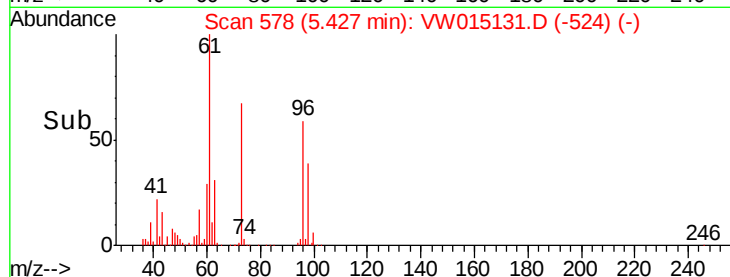
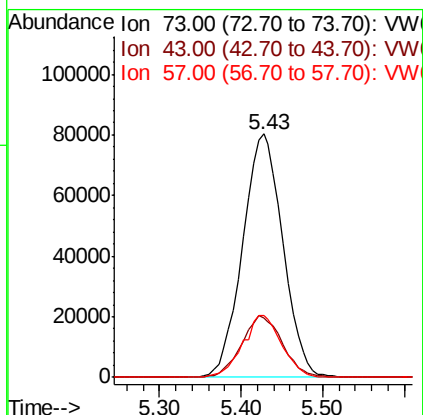
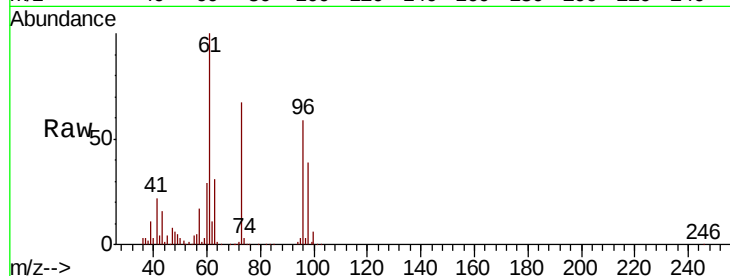




#17
Methvl tert-butvl Ether
Concen: 26.977 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW015131.D
Acq: 25 Mar 2020 10:29

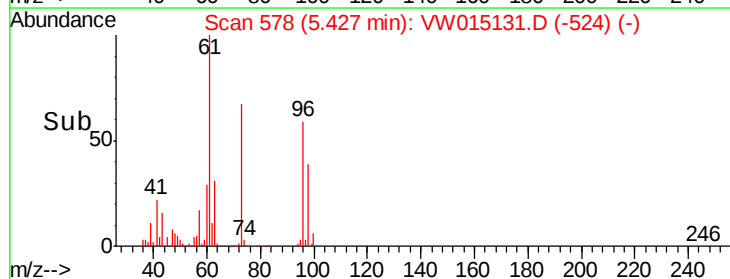
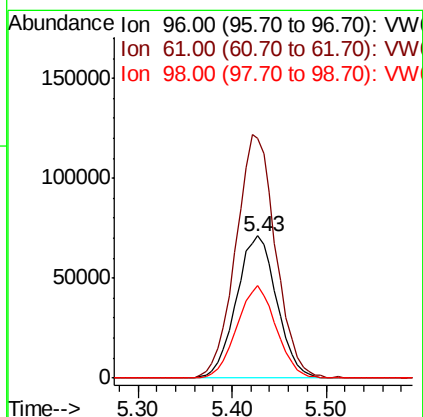
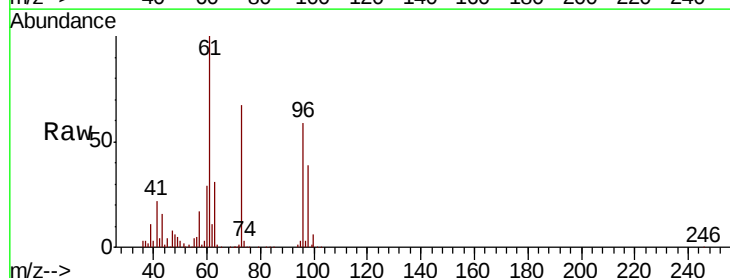
Instrument :
MSVOA_W
ClientSampled :

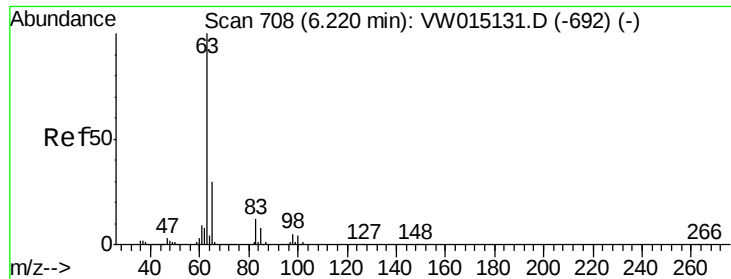
Tot Ion	Ratio	Lower	Upper
73	100		
43	25.2	20.2	30.2
57	24.6	19.7	29.5



#18
trans-1,2-Dichloroethene
Concen: 24.982 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW015131.D
Acq: 25 Mar 2020 10:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.7	118.1	219.3
98	65.5	45.8	85.2

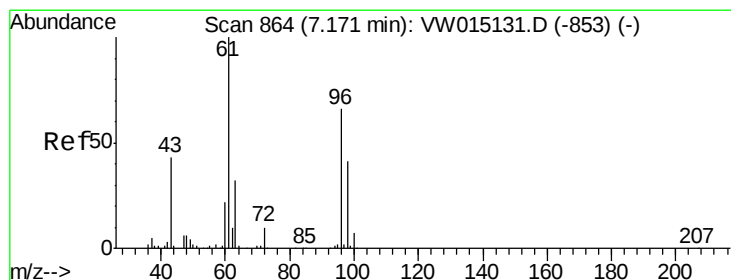
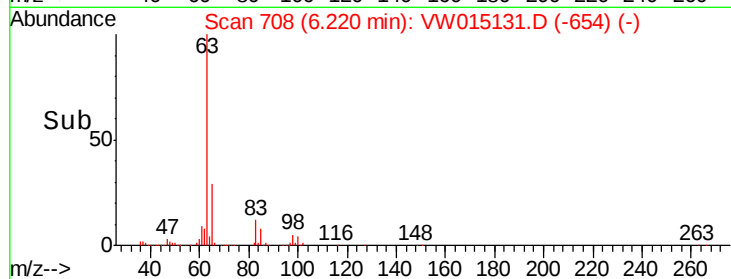
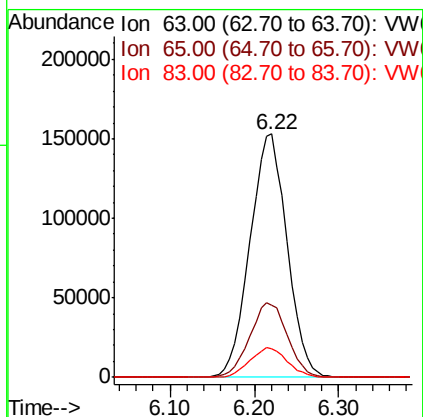
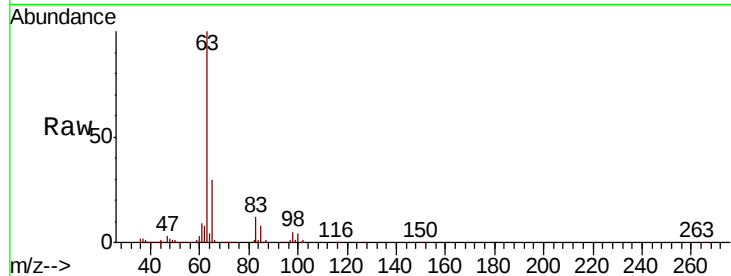




#19
 1,1-Dichloroethane
 Concen: 24.125 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VW015131.D
 Acq: 25 Mar 2020 10:29

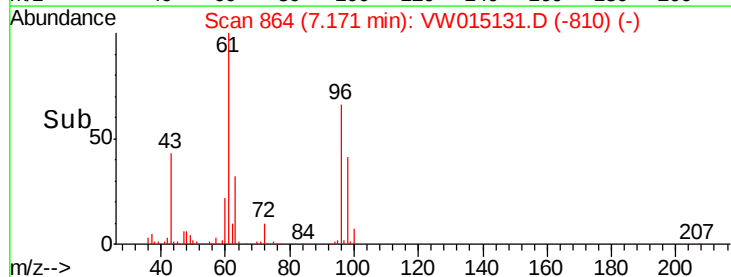
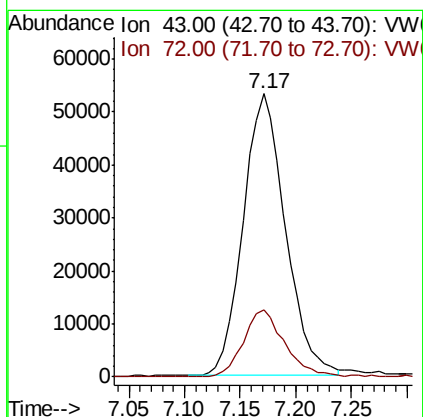
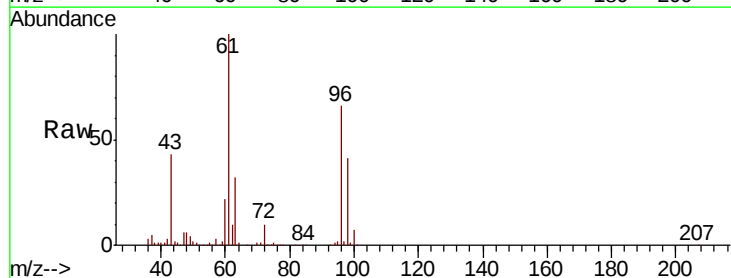
Instrument :
 MSVOA_W
 ClientSampleId :

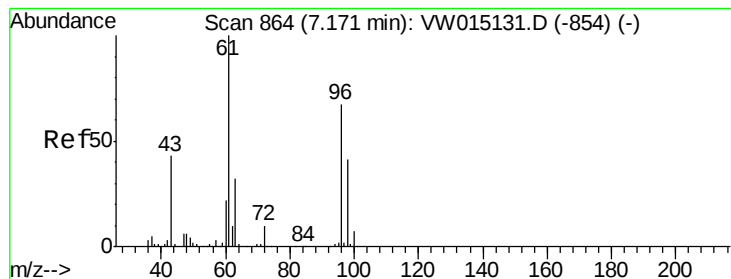
Tot Ion	Ratio	Lower	Upper
63	100		
65	29.5	20.6	38.4
83	11.6	8.1	15.1



#21
 2-Butanone
 Concen: 45.059 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW015131.D
 Acq: 25 Mar 2020 10:29

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.3	11.7	35.0



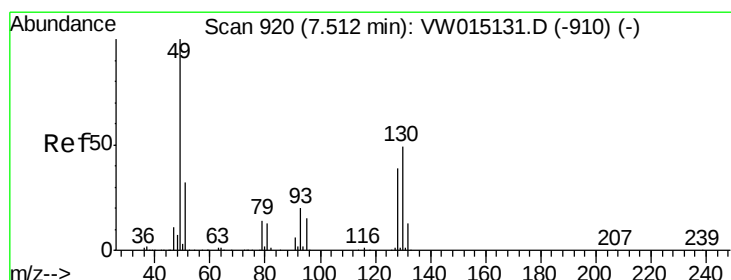
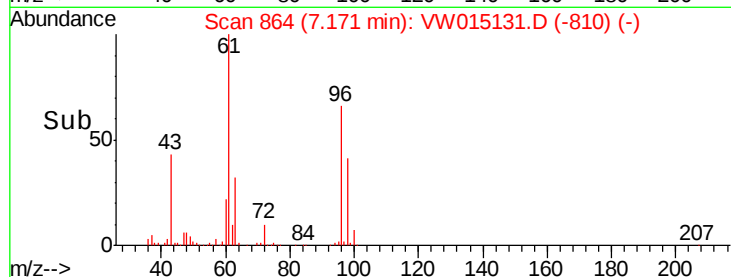
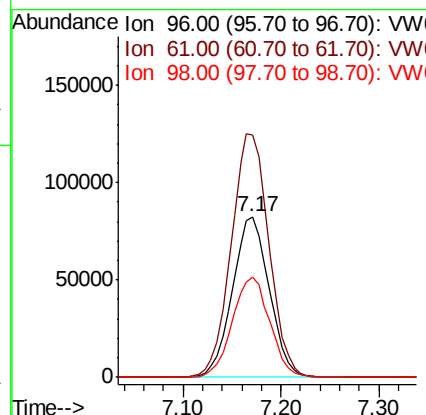
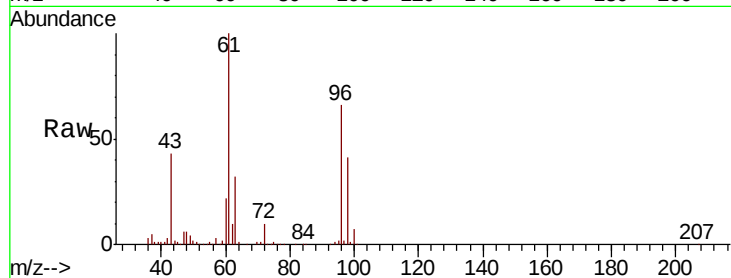


#22

cis-1,2-Dichloroethene
 Concen: 24.679 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW015131.D
 Acq: 25 Mar 2020 10:29

Instrument :
 MSVOA_W
 ClientSampled :

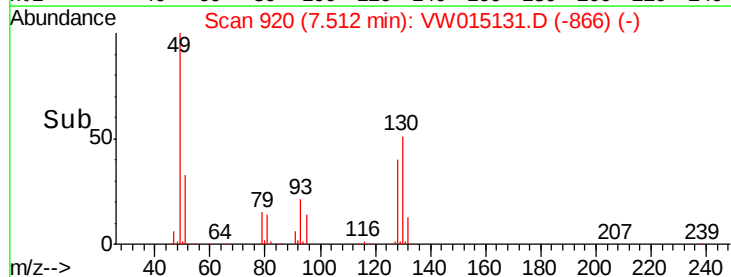
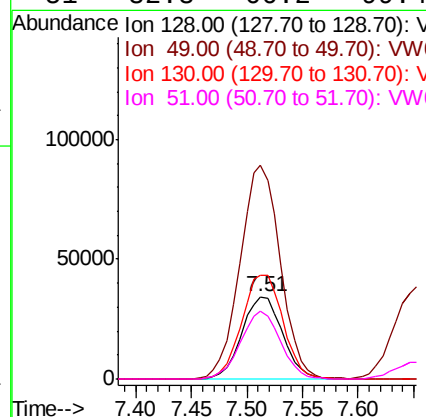
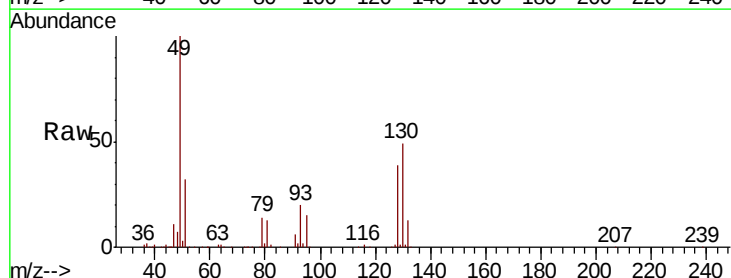
Tot Ion	Ratio	Lower	Upper
96	100		
61	150.8	105.6	196.0
98	61.9	43.3	80.5

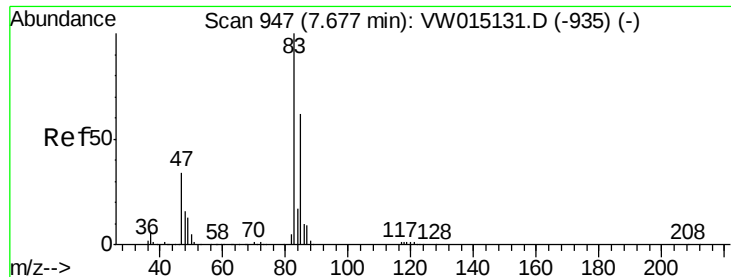


#23

Bromochloromethane
 Concen: 25.616 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW015131.D
 Acq: 25 Mar 2020 10:29

Tgt Ion	Ratio	Lower	Upper
128	100		
49	258.9	181.2	336.6
130	126.3	88.4	164.2
51	82.8	66.2	99.4





#25

Chloroform

Concen: 23.908 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW015131.D

Acq: 25 Mar 2020 10:29

Instrument :

MSVOA_W

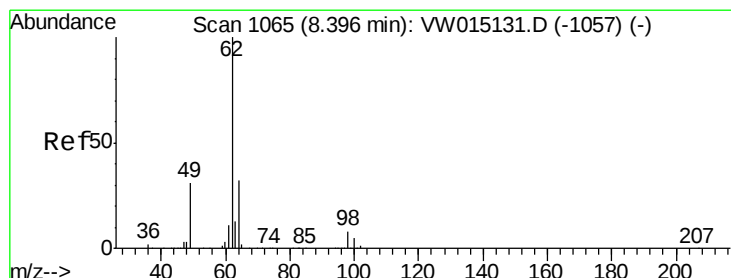
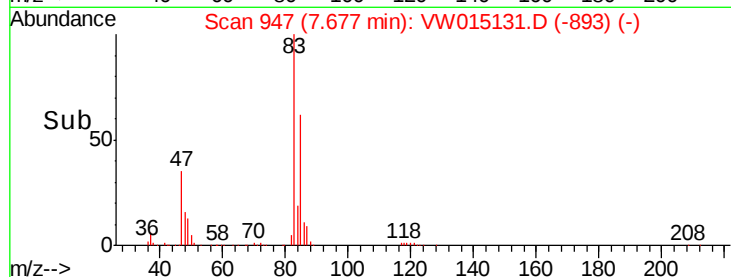
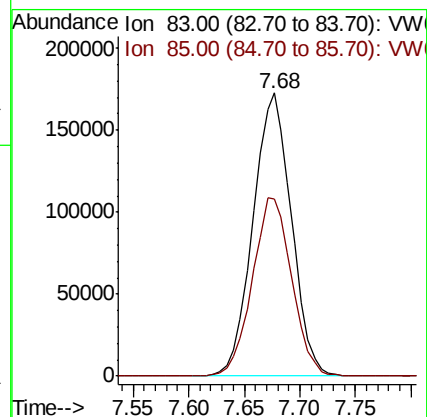
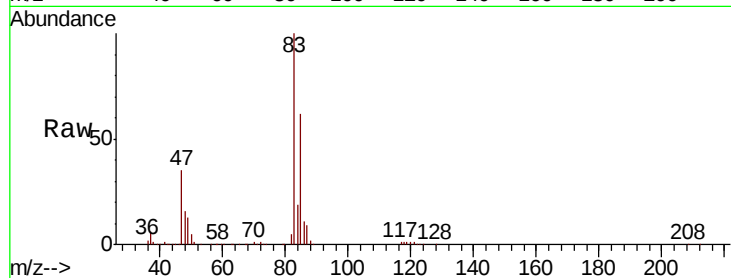
ClientSampleId :

Tot Ion: 83 Resp: 413874

Ion Ratio Lower Upper

83 100

85 64.8 45.4 84.2



#27

1,2-Dichloroethane

Concen: 25.259 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW015131.D

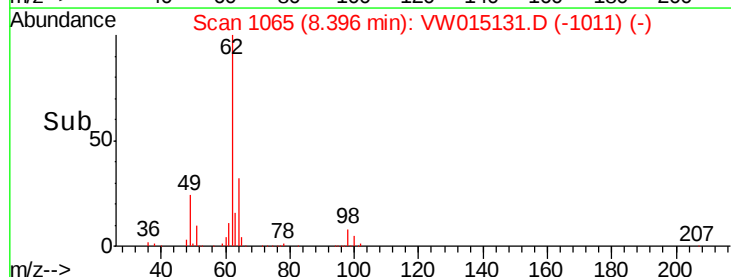
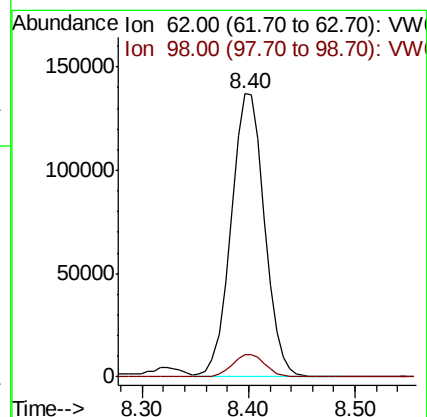
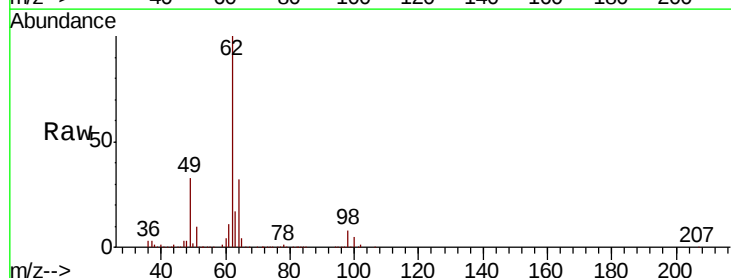
Acq: 25 Mar 2020 10:29

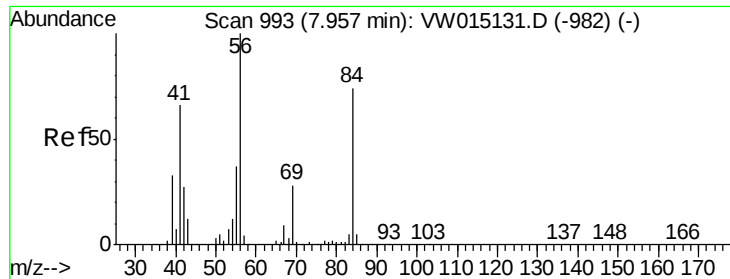
Tgt Ion: 62 Resp: 301817

Ion Ratio Lower Upper

62 100

98 7.8 6.2 9.4

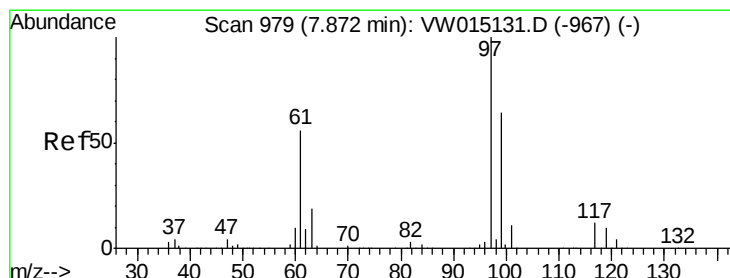
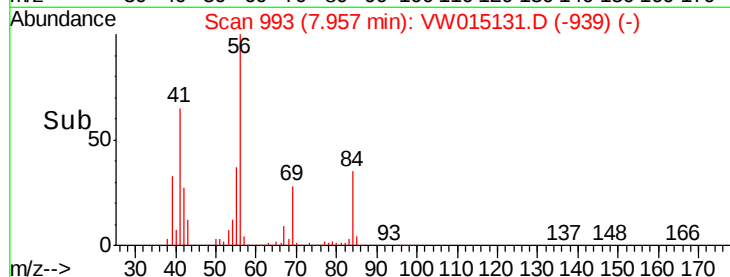
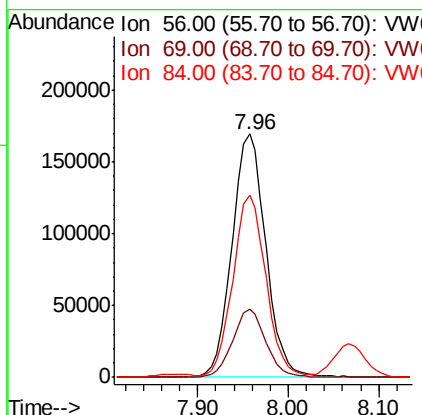
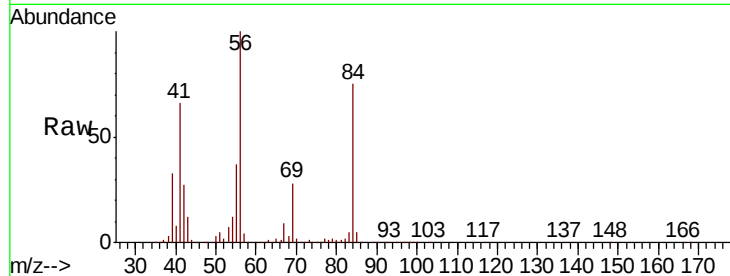




#30
Cyclohexane
Concen: 26.007 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW015131.D
Acq: 25 Mar 2020 10:29

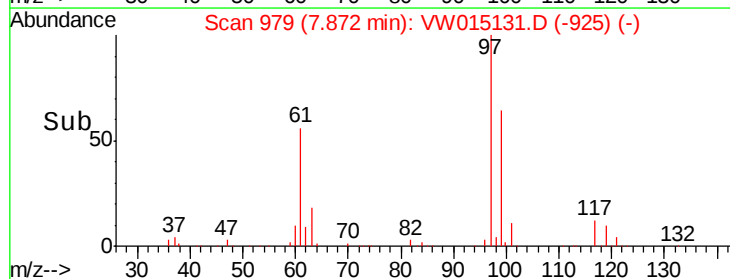
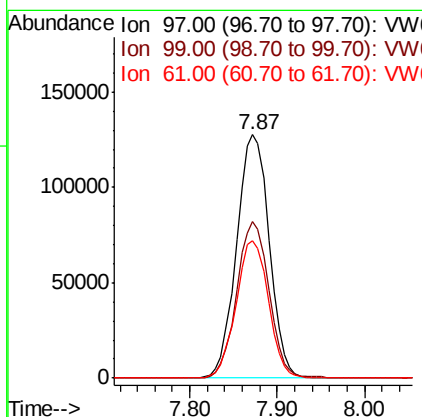
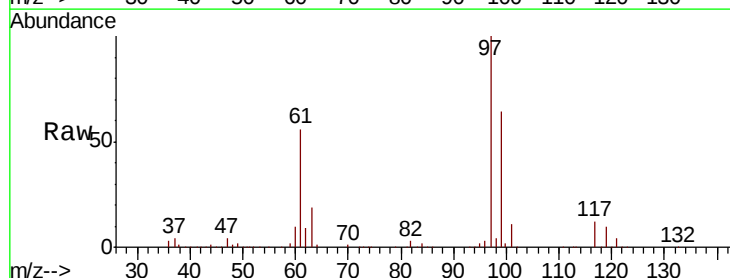
Instrument :
MSVOA_W
ClientSampled :

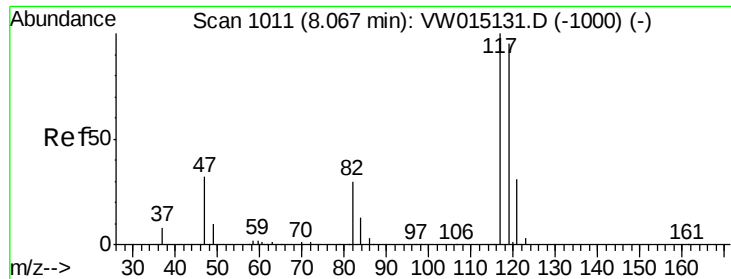
Tot Ion: 56 Resp: 436062
Ion Ratio Lower Upper
56 100
69 27.5 22.0 33.0
84 73.6 58.9 88.3



#31
1,1,1-Trichloroethane
Concen: 25.292 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW015131.D
Acq: 25 Mar 2020 10:29

Tgt Ion: 97 Resp: 331152
Ion Ratio Lower Upper
97 100
99 63.7 51.0 76.4
61 56.0 44.8 67.2





#32

Carbon tetrachloride

Concen: 24.756 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW015131.D

Acq: 25 Mar 2020 10:29

Instrument :

MSVOA_W

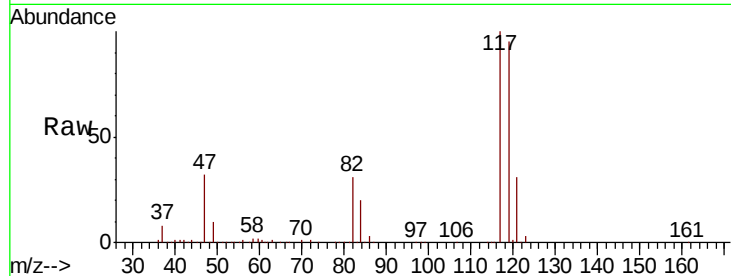
ClientSampleId :

Tot Ion:117 Resp: 288977

Ion Ratio Lower Upper

117 100

119 95.7 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

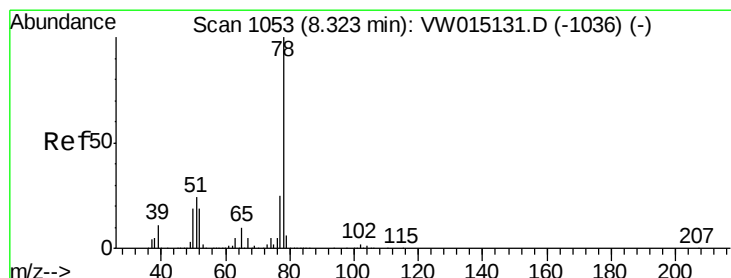
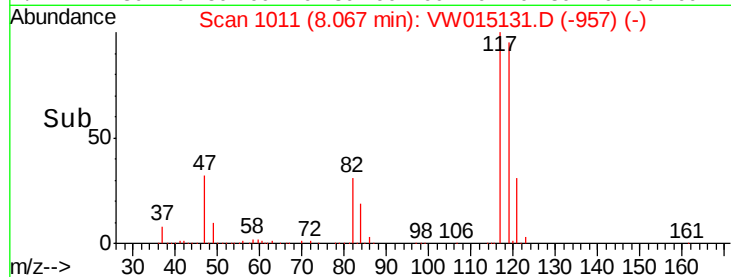
100000

50000

0

Time-->

8.00 8.10 8.20



#34

Benzene

Concen: 25.598 ug/L

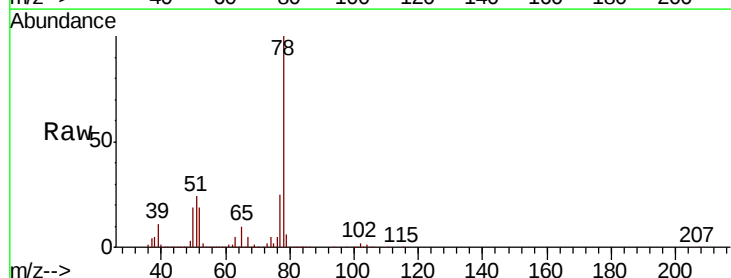
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW015131.D

Acq: 25 Mar 2020 10:29

Tgt Ion: 78 Resp: 958521



Abundance Ion 78.00 (77.70 to 78.70): VW

500000

400000

300000

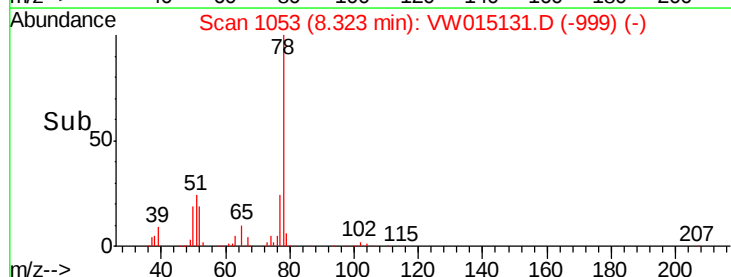
200000

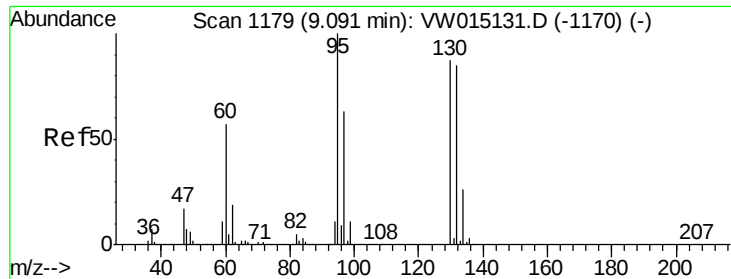
100000

0

Time-->

8.20 8.30 8.40

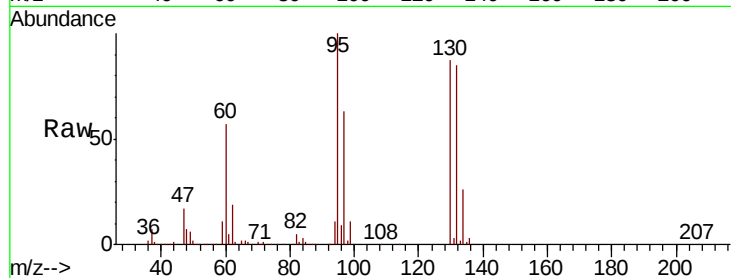




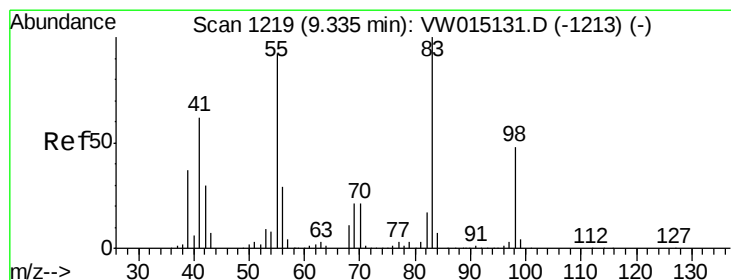
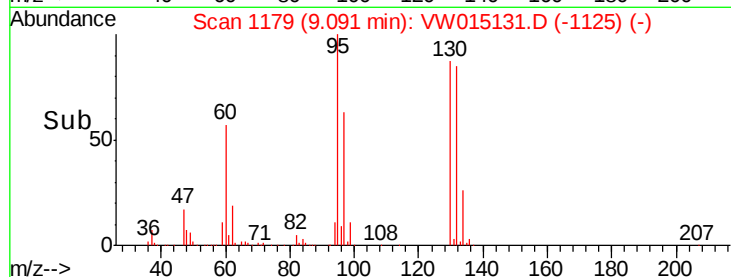
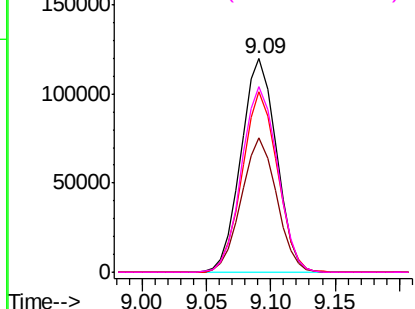
#35
 Trichloroethene
 Concen: 25.083 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW015131.D
 Acq: 25 Mar 2020 10:29

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	95	Resp:	228962
Ion	Ratio	Lower	Upper
95	100		
97	62.4	43.7	81.1
132	83.9	58.7	109.1
130	87.6	61.3	113.9

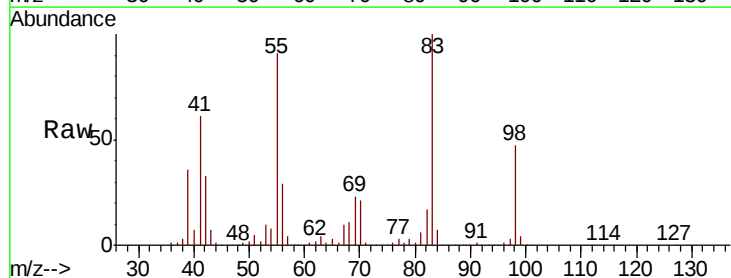


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

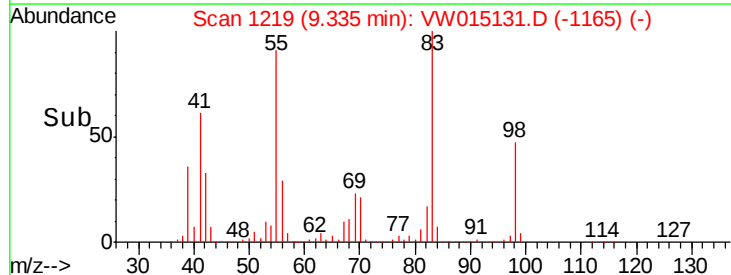
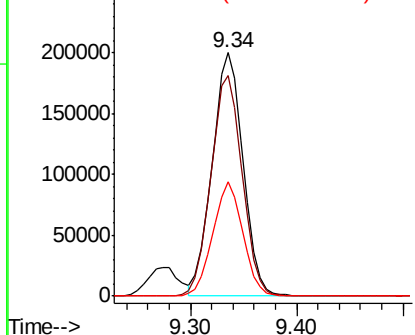


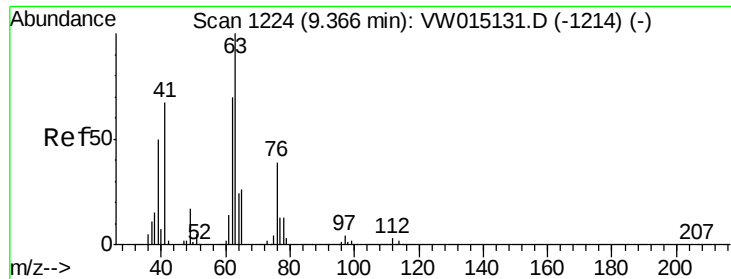
#36
 Methylcyclohexane
 Concen: 25.709 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW015131.D
 Acq: 25 Mar 2020 10:29

Tgt Ion:	83	Resp:	399921
Ion	Ratio	Lower	Upper
83	100		
55	91.8	73.4	110.2
98	45.8	36.6	55.0



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

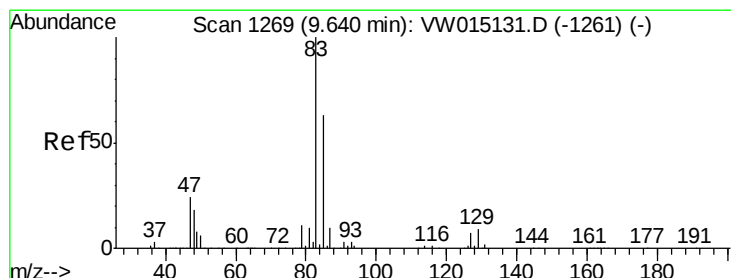
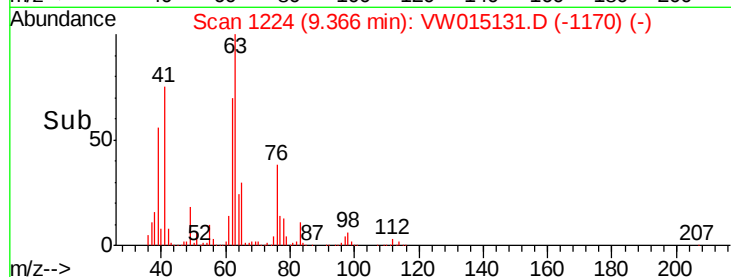
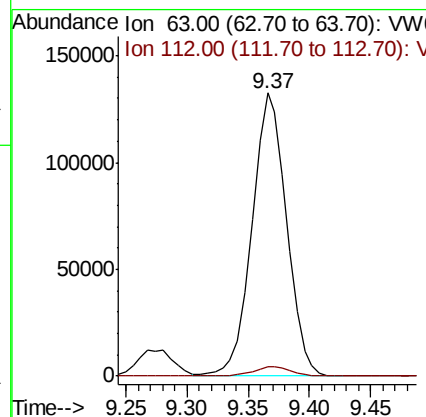
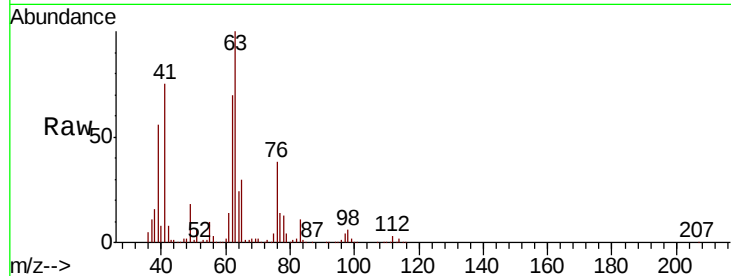




#40
 1,2-Dichloropropane
 Concen: 24.993 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW015131.D
 Acq: 25 Mar 2020 10:29

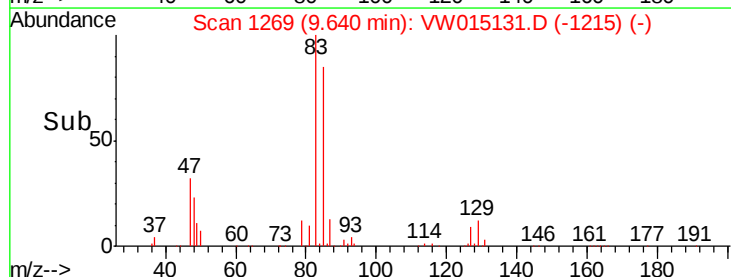
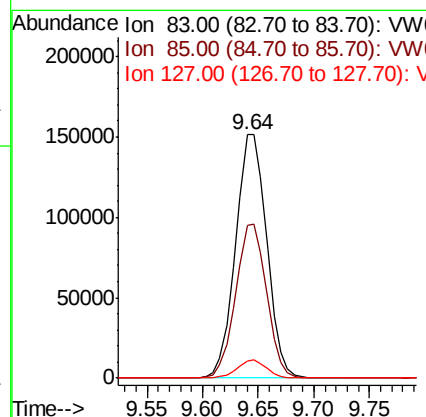
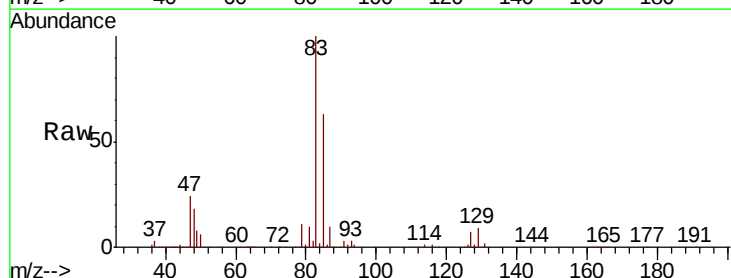
Instrument :
 MSVOA_W
 ClientSampled :

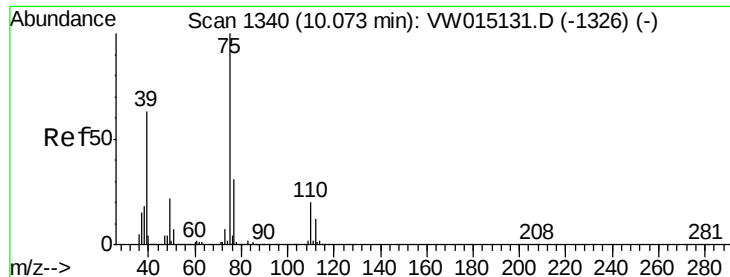
Tot Ion: 63 Resp: 259818
 Ion Ratio Lower Upper
 63 100
 112 3.6 2.9 4.3



#41
 Bromodichloromethane
 Concen: 25.025 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW015131.D
 Acq: 25 Mar 2020 10:29

Tgt Ion: 83 Resp: 293565
 Ion Ratio Lower Upper
 83 100
 85 63.0 44.1 81.9
 127 6.9 5.5 8.3





#42

cis-1,3-Dichloropropene

Concen: 25.585 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015131.D

Acq: 25 Mar 2020 10:29

Instrument :

MSVOA_W

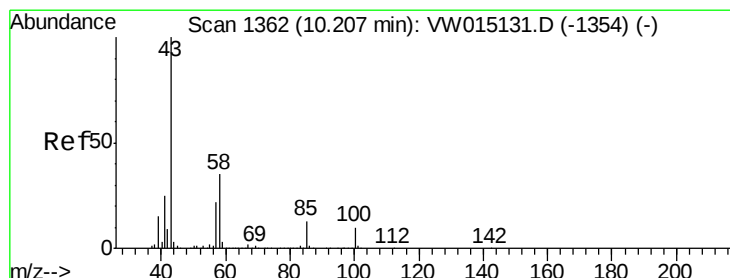
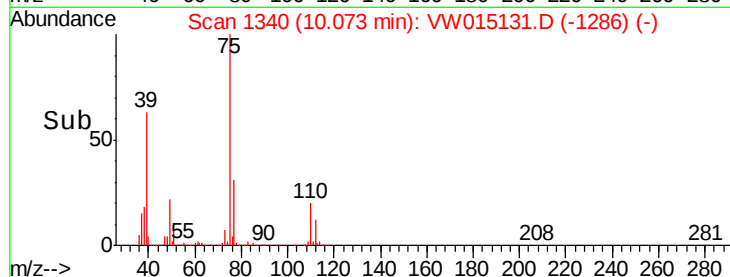
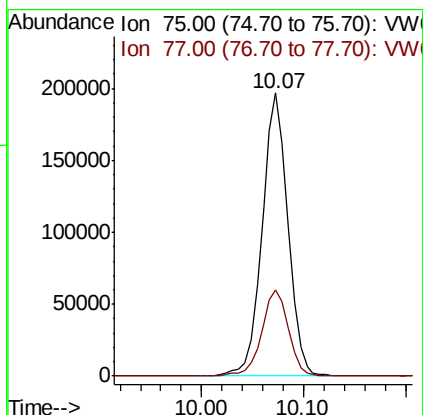
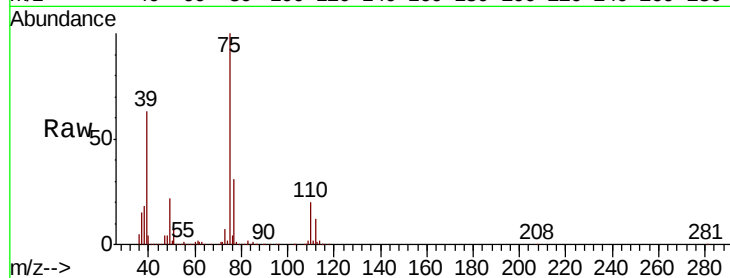
ClientSampled :

Tot Ion: 75 Resp: 346334

Ion Ratio Lower Upper

75 100

77 30.6 21.4 39.8



#43

4-Methyl-2-pentanone

Concen: 52.943 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015131.D

Acq: 25 Mar 2020 10:29

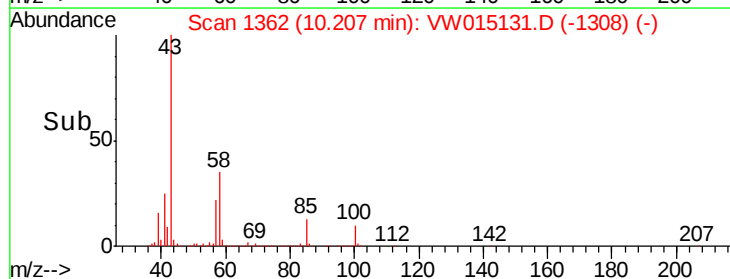
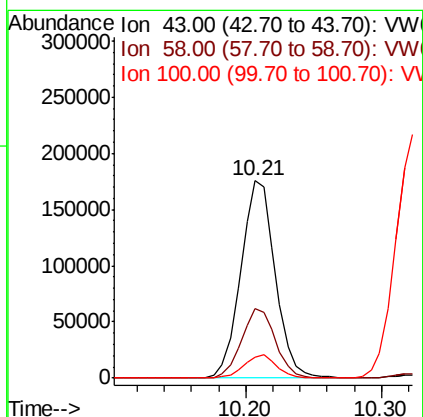
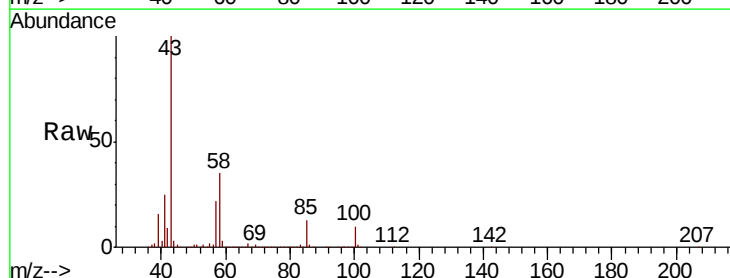
Tgt Ion: 43 Resp: 309146

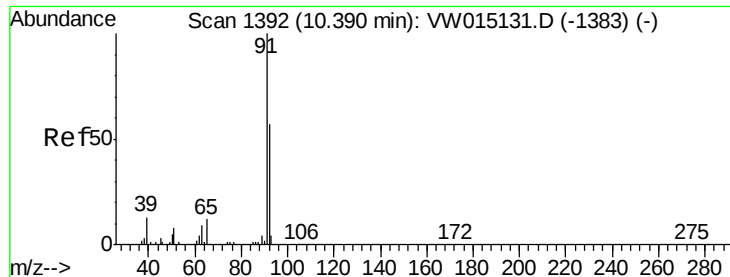
Ion Ratio Lower Upper

43 100

58 34.9 27.9 41.9

100 11.1 8.9 13.3





#44

Toluene

Concen: 26.550 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015131.D

Acq: 25 Mar 2020 10:29

Instrument :

MSVOA_W

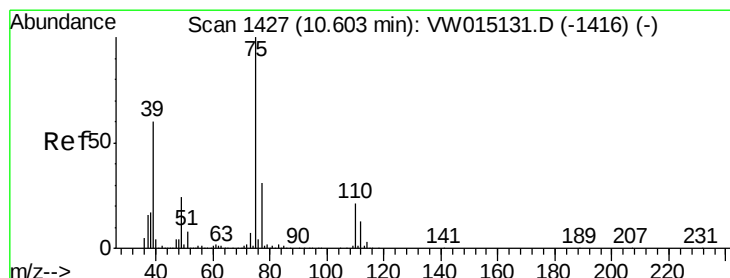
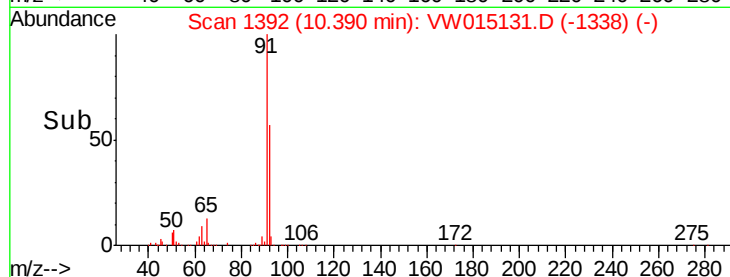
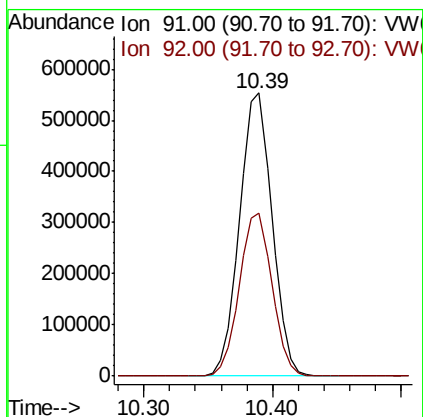
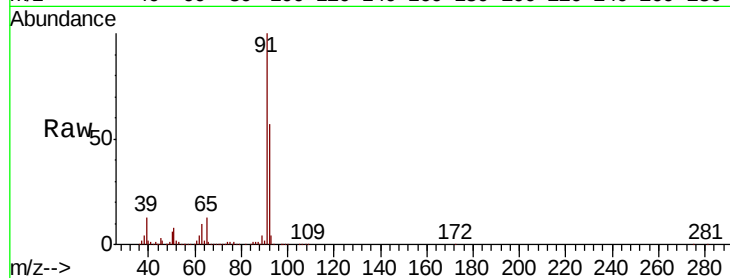
ClientSampled :

Tot Ion: 91 Resp: 967788

Ion Ratio Lower Upper

91 100

92 57.4 40.2 74.6



#45

trans-1,3-Dichloropropene

Concen: 27.511 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW015131.D

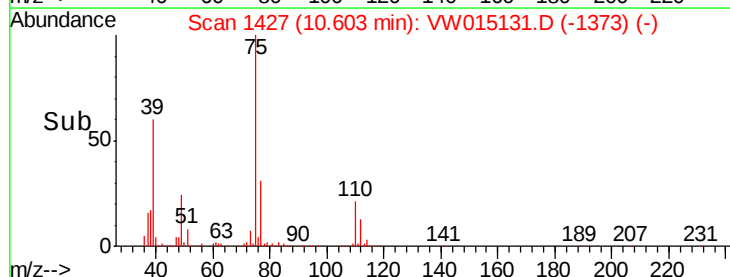
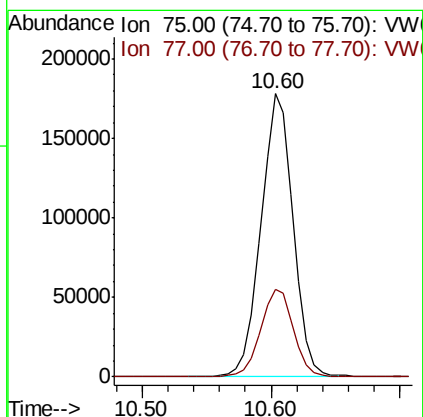
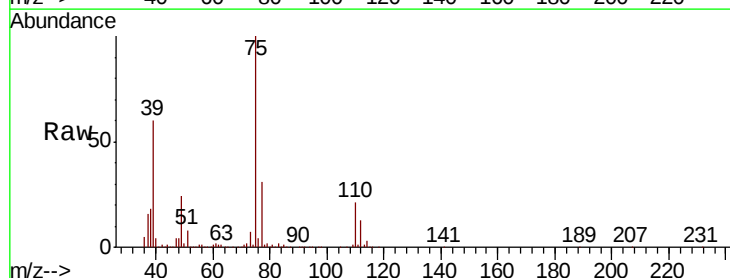
Acq: 25 Mar 2020 10:29

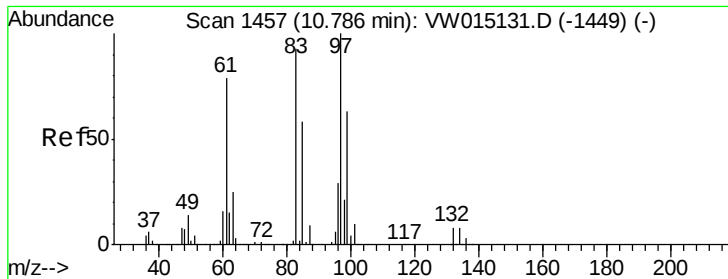
Tgt Ion: 75 Resp: 306588

Ion Ratio Lower Upper

75 100

77 31.1 21.8 40.4

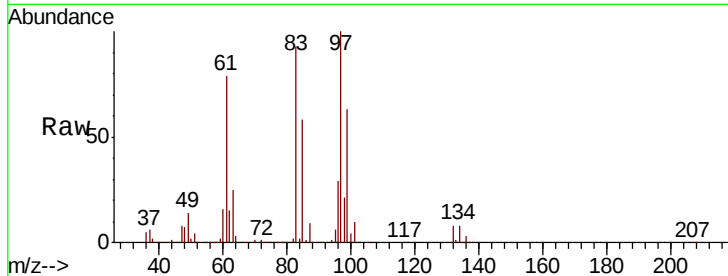




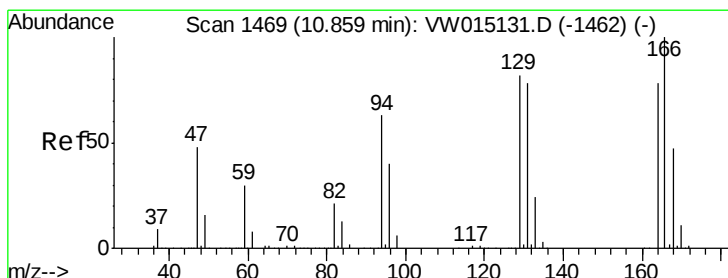
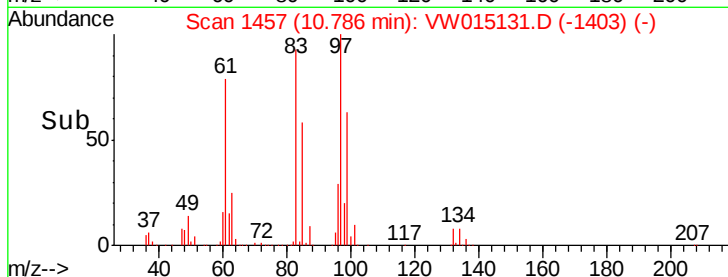
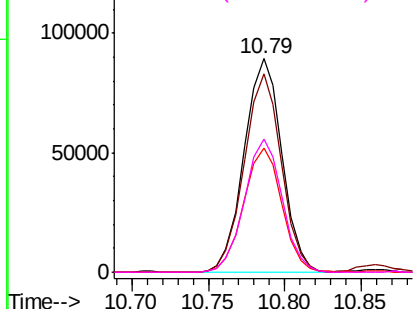
#46
1,1,2-Trichloroethane
Concen: 25.964 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. 0.00 min
Lab File: VW015131.D
Acq: 25 Mar 2020 10:29

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	97	Resp:	153831
Ion	Ratio	Lower	Upper
97	100		
83	92.6	64.8	120.4
85	58.4	40.9	75.9
99	62.6	43.8	81.4

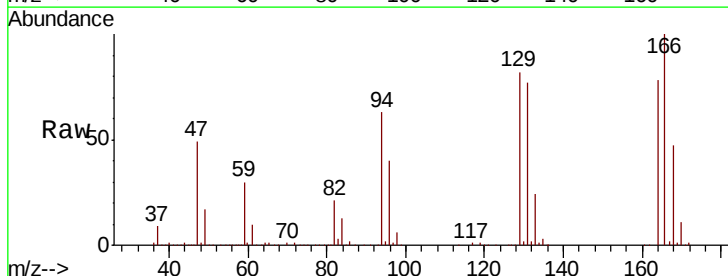


Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 83.00 (82.70 to 83.70): VW
Ion 85.00 (84.70 to 85.70): VW
Ion 99.00 (98.70 to 99.70): VW

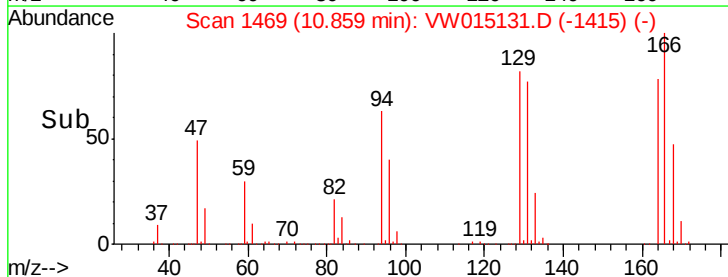
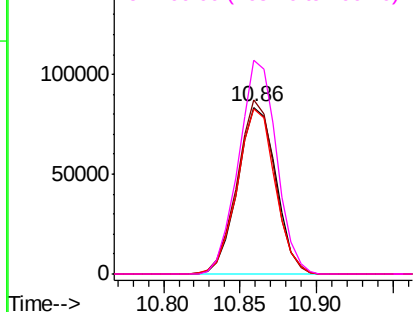


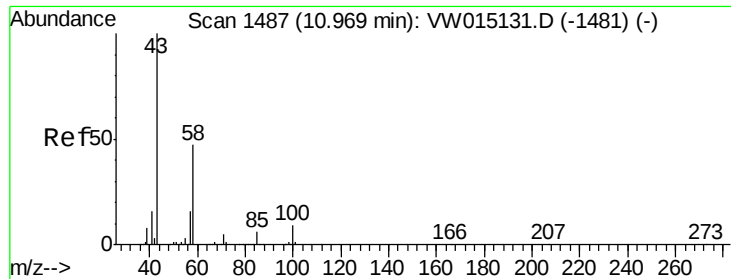
#47
Tetrachloroethene
Concen: 24.879 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW015131.D
Acq: 25 Mar 2020 10:29

Tgt Ion:	164	Resp:	145943
Ion	Ratio	Lower	Upper
164	100		
129	104.6	73.2	136.0
131	99.1	69.4	128.8
166	127.9	89.5	166.3



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: 51.697 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW015131.D

Acq: 25 Mar 2020 10:29

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 215564

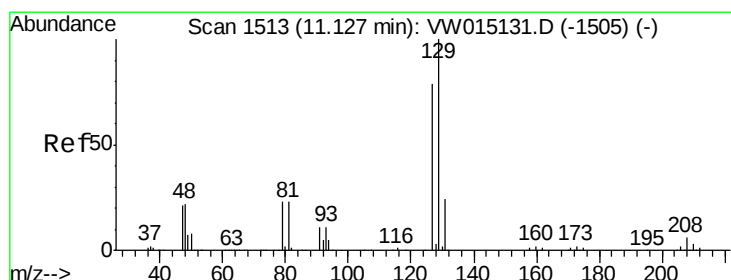
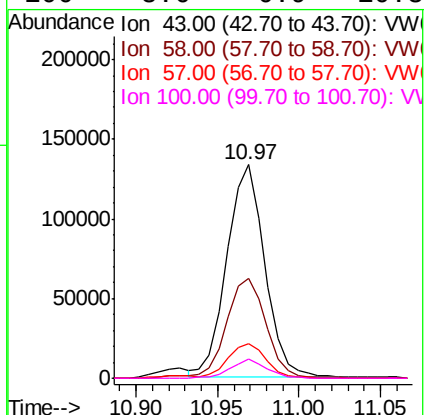
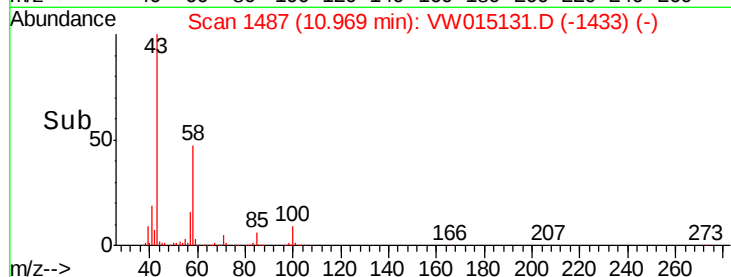
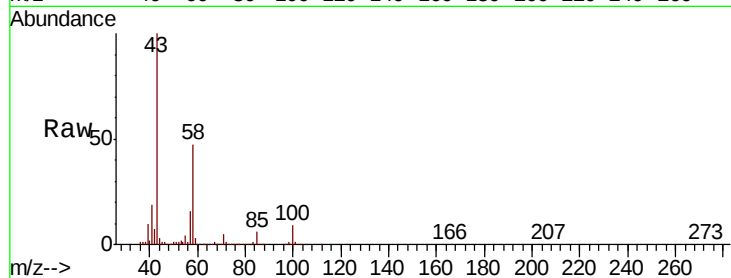
Ion Ratio Lower Upper

43 100

58 48.1 38.5 57.7

57 16.1 12.9 19.3

100 8.6 6.9 10.3



#50

Dibromochloromethane

Concen: 25.347 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW015131.D

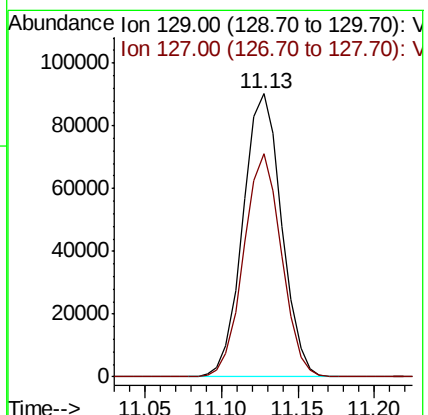
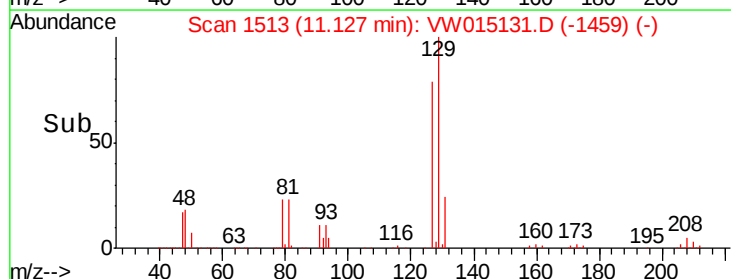
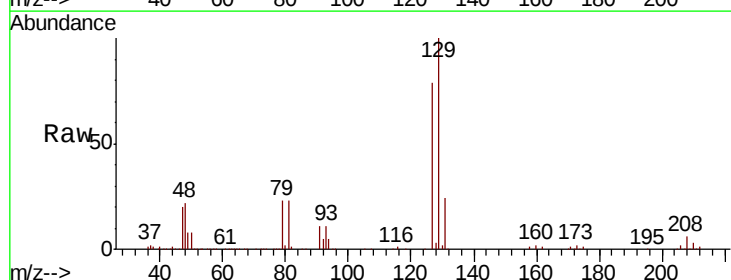
Acq: 25 Mar 2020 10:29

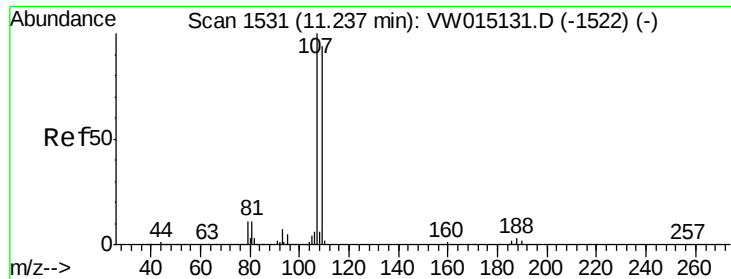
Tgt Ion: 129 Resp: 158763

Ion Ratio Lower Upper

129 100

127 78.7 55.1 102.3

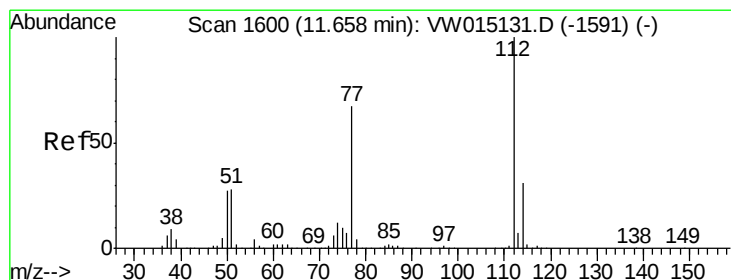
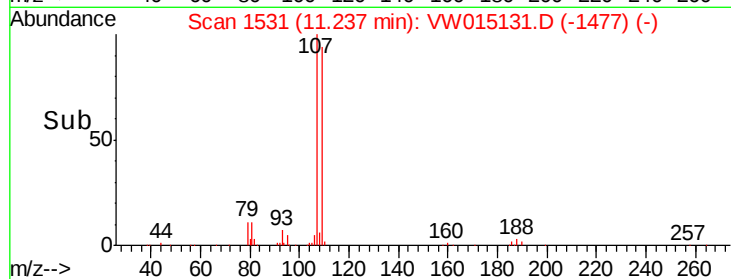
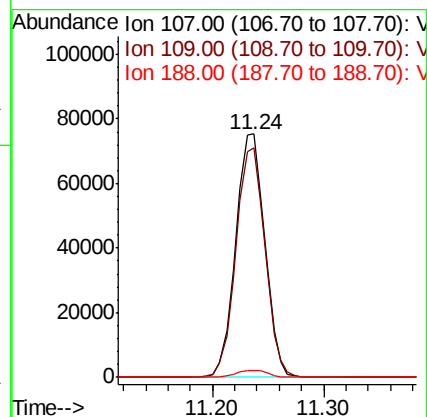
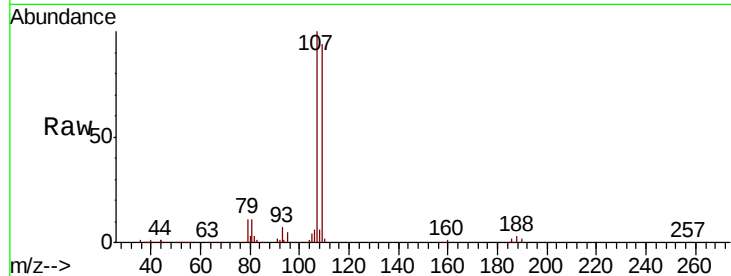




#51
1,2-Dibromoethane
Concen: 26.436 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW015131.D
Acq: 25 Mar 2020 10:29

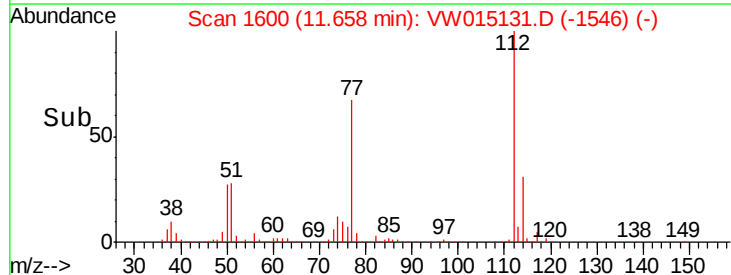
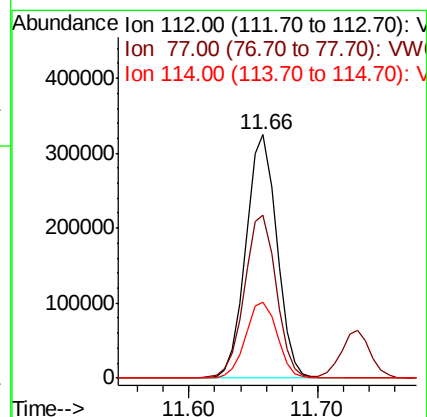
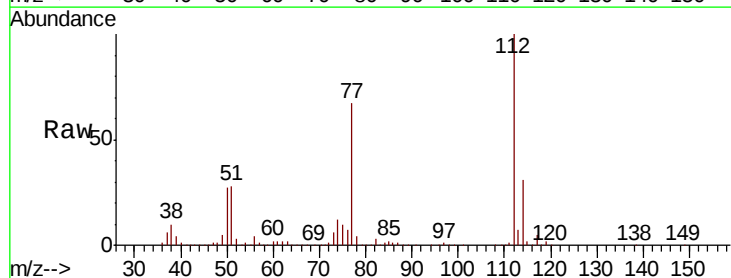
Instrument :
MSVOA_W
ClientSampleId :

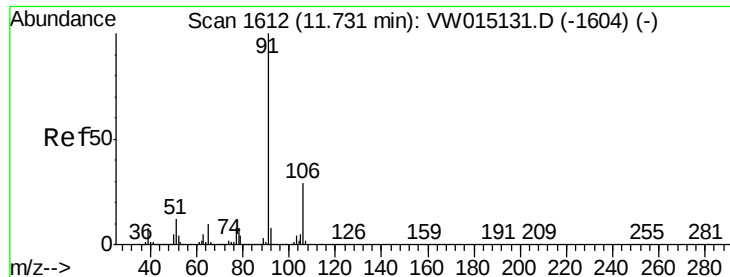
Tot Ion:107 Resp: 136662
Ion Ratio Lower Upper
107 100
109 94.2 65.9 122.5
188 2.9 2.3 3.5



#52
Chlorobenzene
Concen: 25.018 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW015131.D
Acq: 25 Mar 2020 10:29

Tgt Ion:112 Resp: 537763
Ion Ratio Lower Upper
112 100
77 66.9 53.5 80.3
114 31.4 22.0 40.8

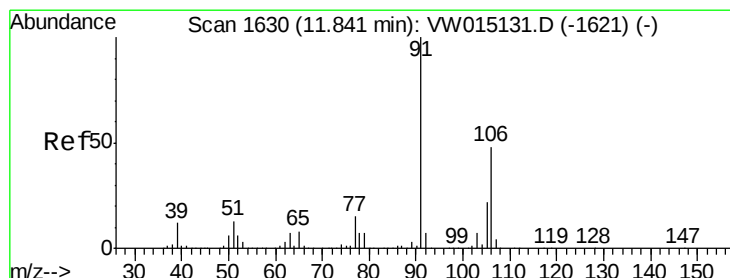
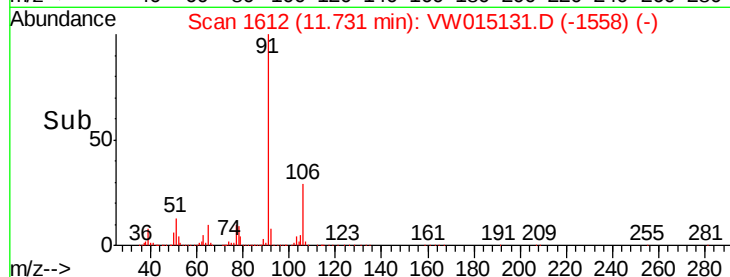
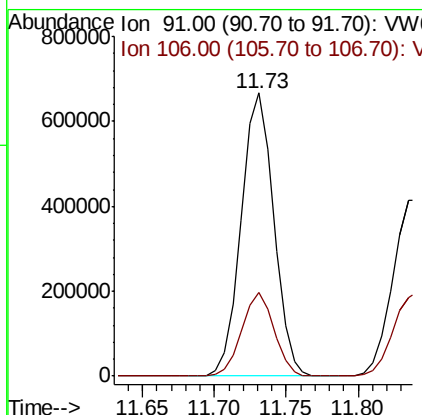
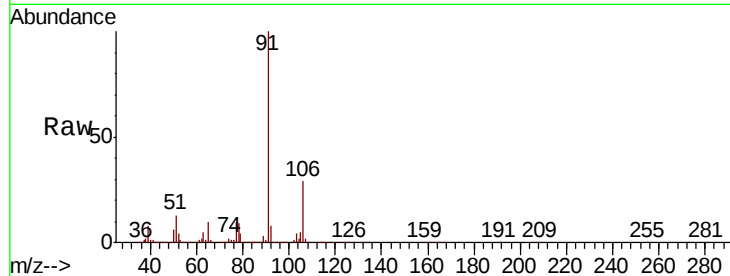




#53
Ethylbenzene
Concen: 26.273 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015131.D
Acq: 25 Mar 2020 10:29

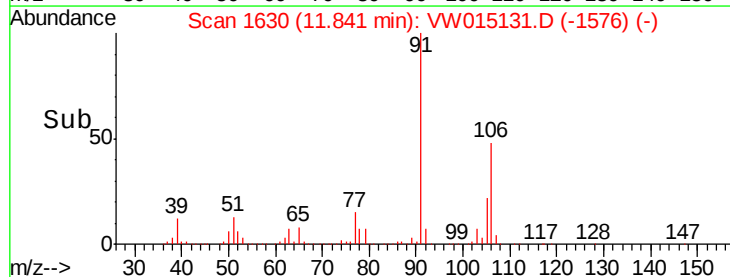
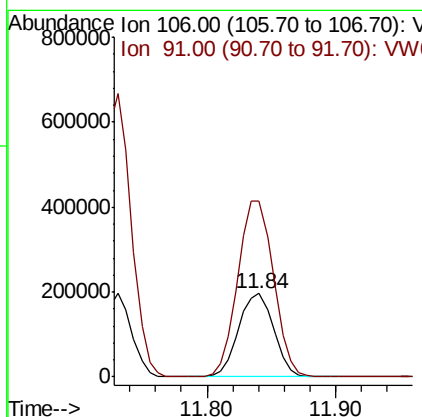
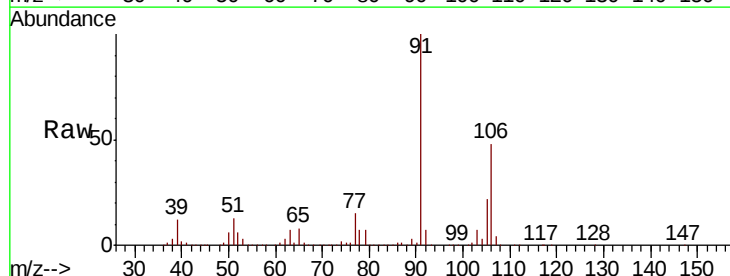
Instrument :
MSVOA_W
ClientSampleId :

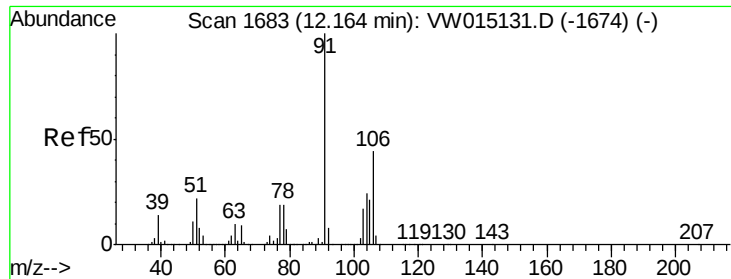
Tot Ion: 91 Resp: 1048816
Ion Ratio Lower Upper
91 100
106 29.4 20.6 38.2



#54
m,p-Xylene
Concen: 26.721 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW015131.D
Acq: 25 Mar 2020 10:29

Tgt Ion: 106 Resp: 372590
Ion Ratio Lower Upper
106 100
91 210.5 147.3 273.6





#55

o-xylene

Concen: 26.869 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW015131.D

Acq: 25 Mar 2020 10:29

Instrument :

MSVOA_W

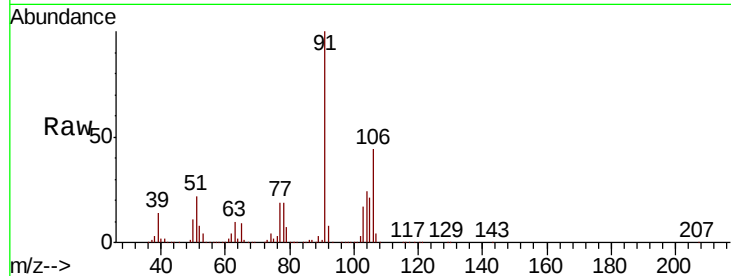
ClientSampled :

Tot Ion:106 Resp: 350294

Ion Ratio Lower Upper

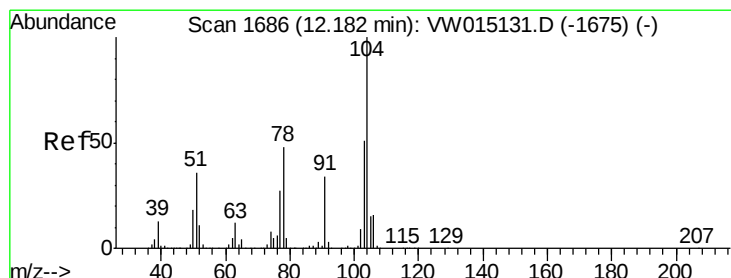
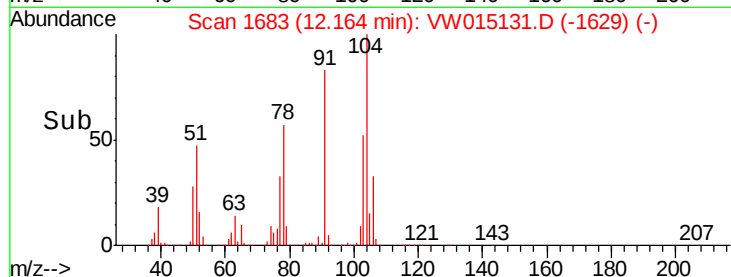
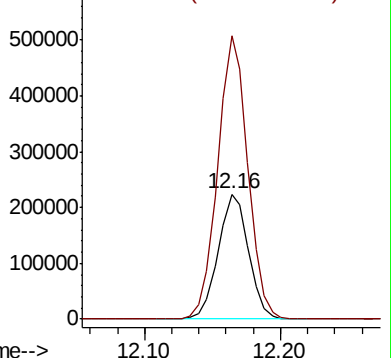
106 100

91 226.6 158.6 294.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 27.297 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW015131.D

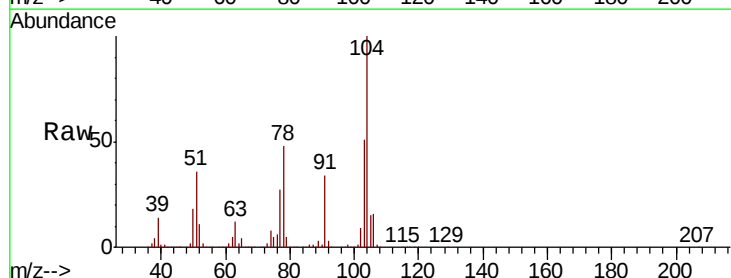
Acq: 25 Mar 2020 10:29

Tgt Ion:104 Resp: 607916

Ion Ratio Lower Upper

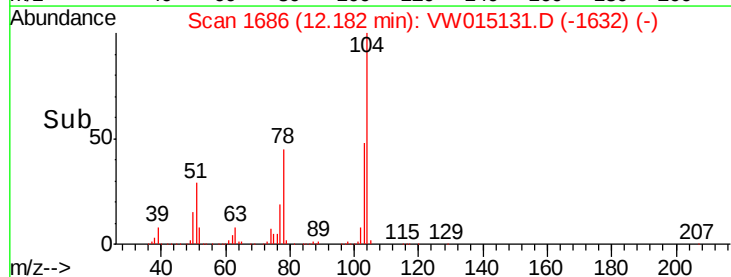
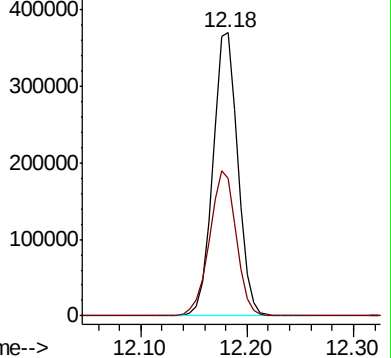
104 100

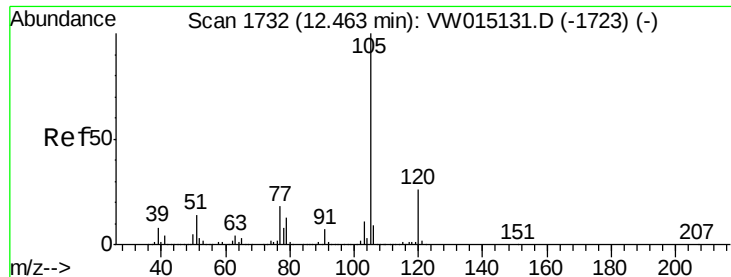
78 48.5 33.9 63.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 27.026 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015131.D

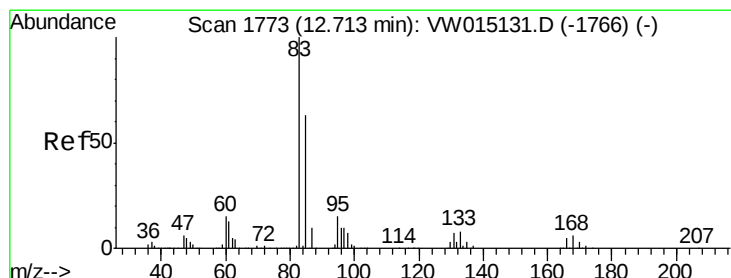
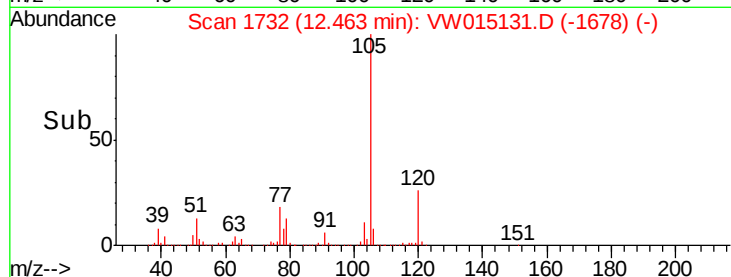
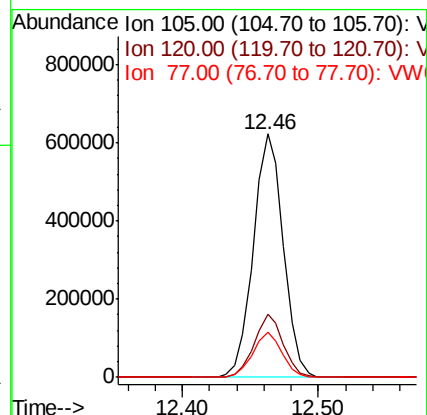
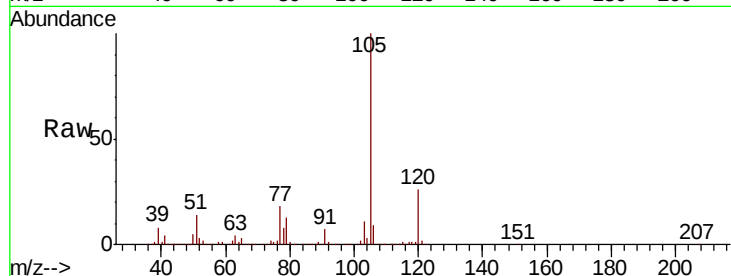
Acq: 25 Mar 2020 10:29

Instrument :

MSVOA_W

ClientSampled :

Tot Ion:	105	Resp:	960153
Ion	Ratio	Lower	Upper
105	100		
120	25.0	20.0	30.0
77	18.1	14.5	21.7



#58

1,1,2,2-Tetrachloroethane

Concen: 26.124 ug/L

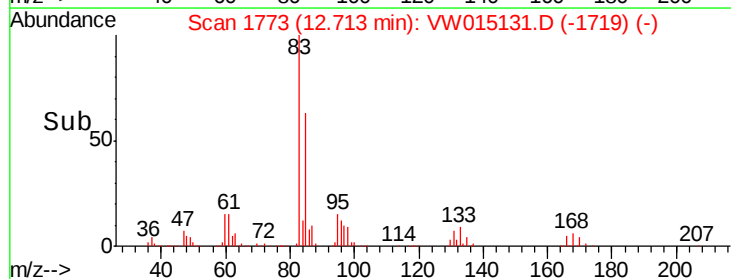
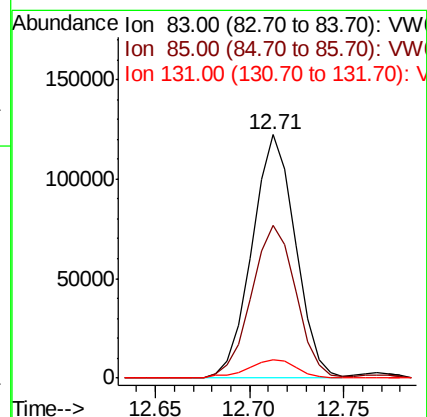
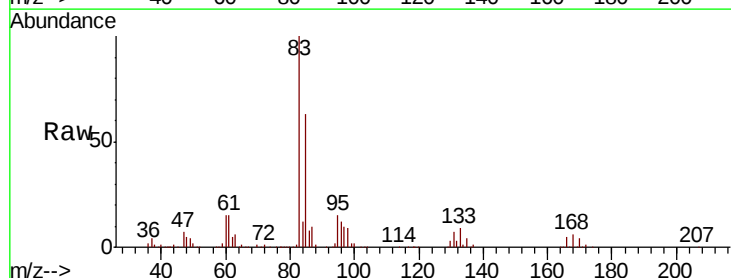
RT: 12.71 min Scan# 1773

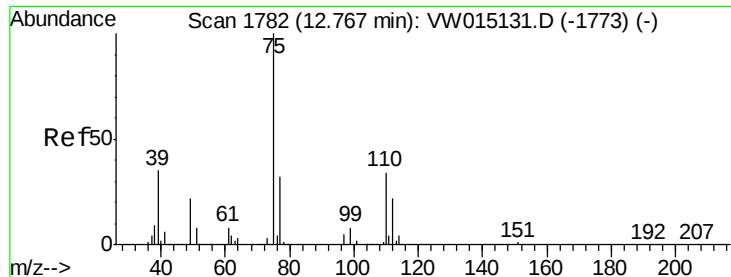
Delta R.T. 0.00 min

Lab File: VW015131.D

Acq: 25 Mar 2020 10:29

Tgt Ion:	83	Resp:	195525
Ion	Ratio	Lower	Upper
83	100		
85	63.0	44.1	81.9
131	7.4	5.9	8.9





#59

1,2,3-Trichloropropane

Concen: 25.399 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015131.D

Acq: 25 Mar 2020 10:29

Instrument :

MSVOA_W

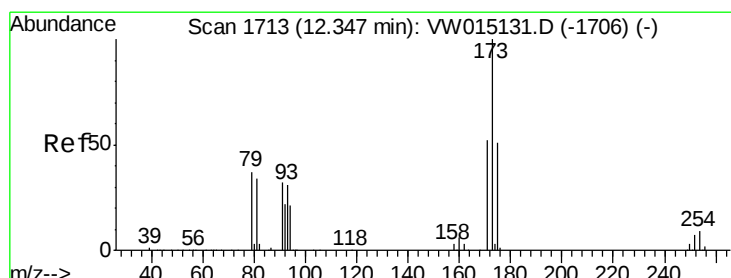
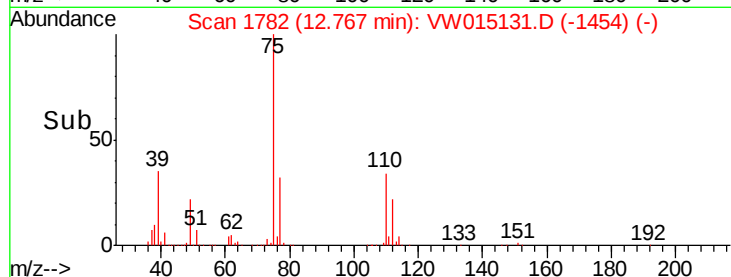
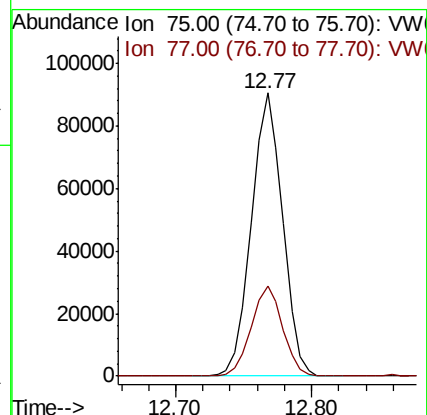
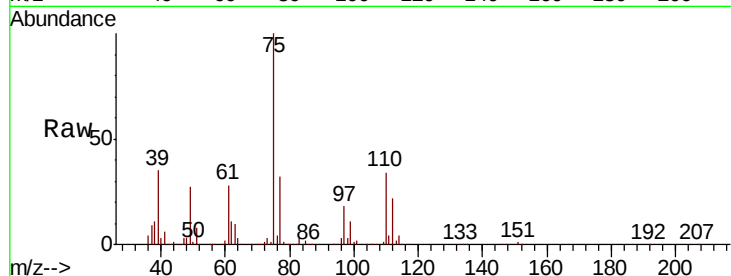
ClientSampled :

Tot Ion: 75 Resp: 145766

Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.6



#62

Bromoform

Concen: 25.709 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW015131.D

Acq: 25 Mar 2020 10:29

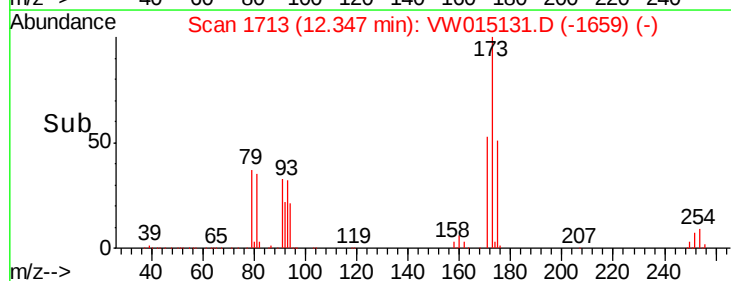
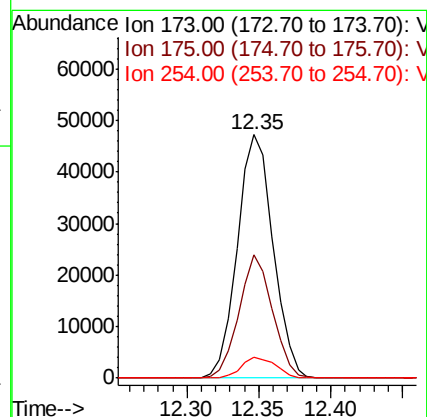
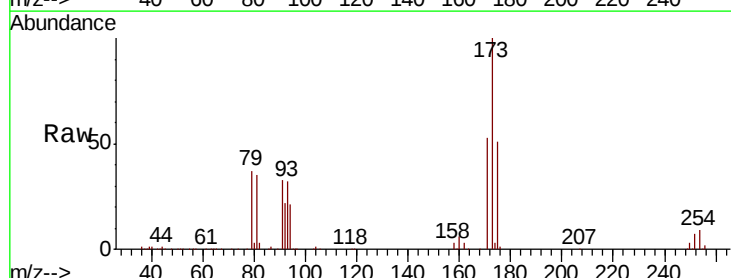
Tgt Ion: 173 Resp: 81583

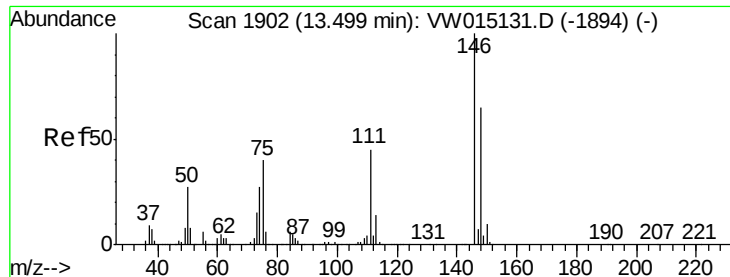
Ion Ratio Lower Upper

173 100

175 47.5 38.0 57.0

254 8.1 6.5 9.7





#63

1,3-Dichlorobenzene

Concen: 24.940 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015131.D

Acq: 25 Mar 2020 10:29

Instrument :

MSVOA_W

ClientSampleId :

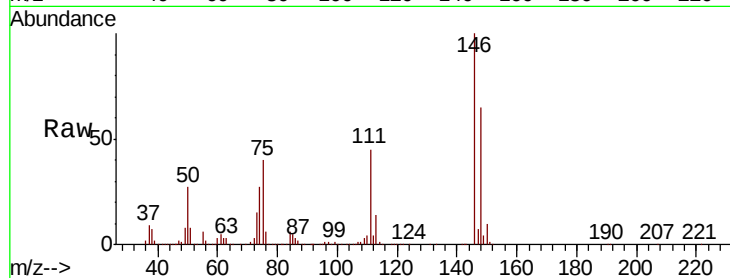
Tot Ion:146 Resp: 363315

Ion Ratio Lower Upper

146 100

111 45.5 31.9 59.2

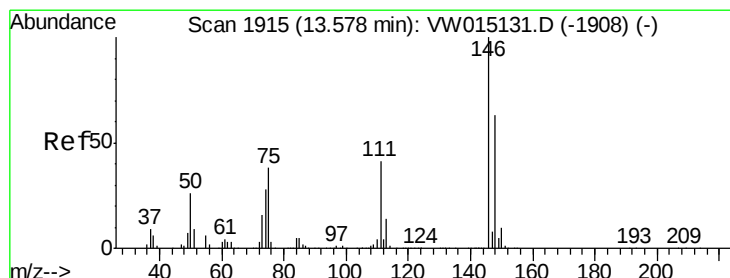
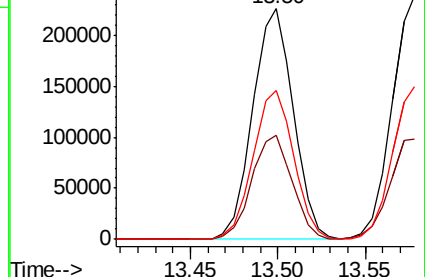
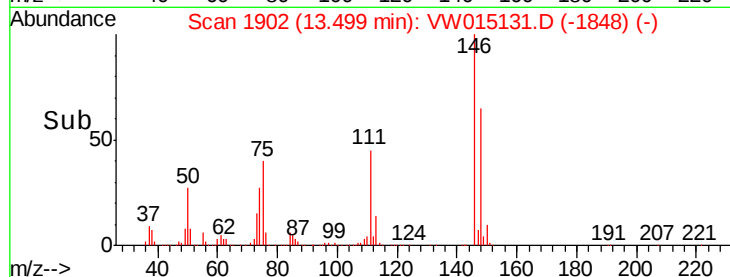
148 64.6 45.2 84.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 24.712 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW015131.D

Acq: 25 Mar 2020 10:29

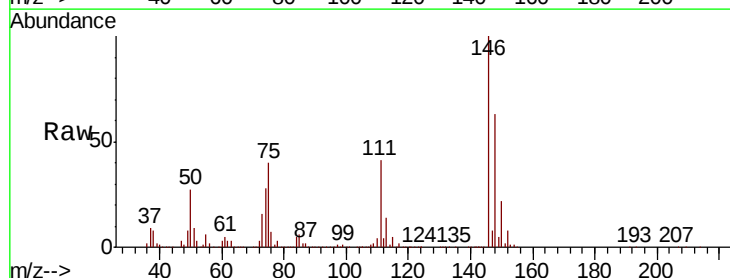
Tgt Ion:146 Resp: 371834

Ion Ratio Lower Upper

146 100

111 41.1 28.8 53.4

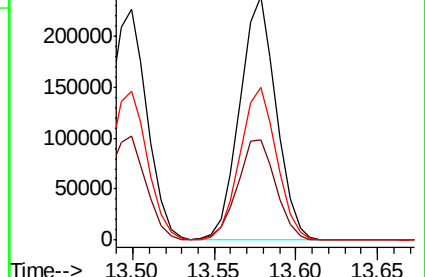
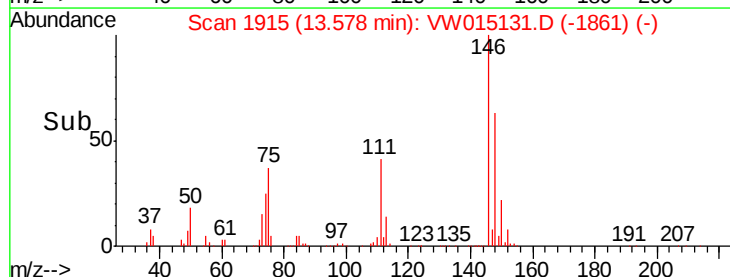
148 62.8 44.0 81.6

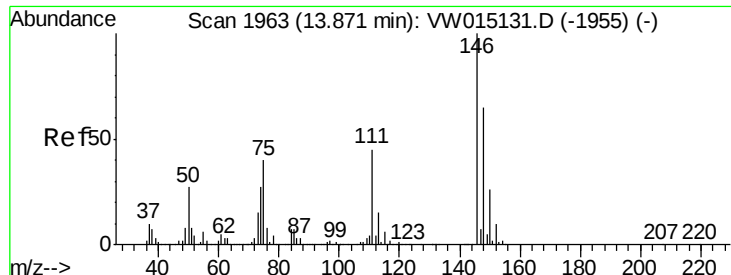


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

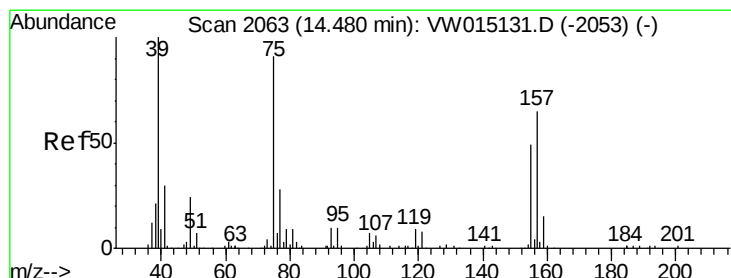
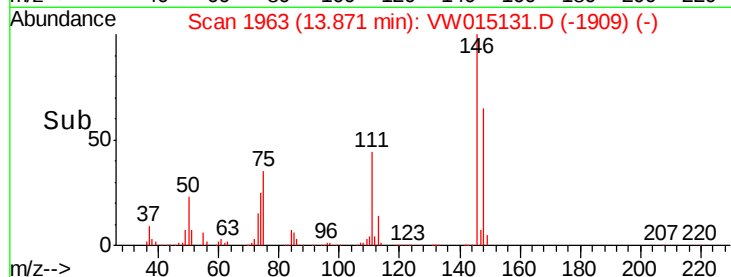
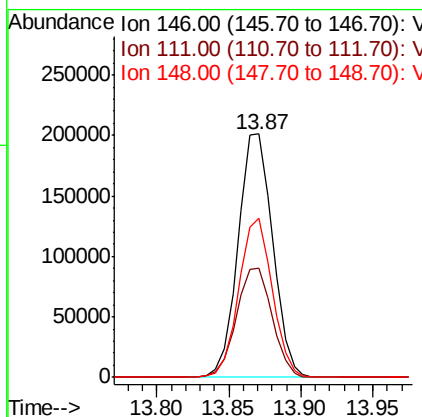
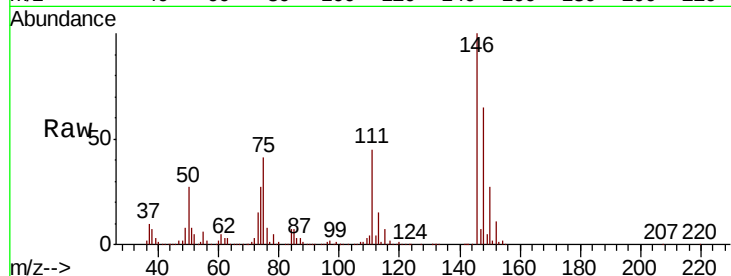




#65
 1,2-Dichlorobenzene
 Concen: 25.383 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015131.D
 Acq: 25 Mar 2020 10:29

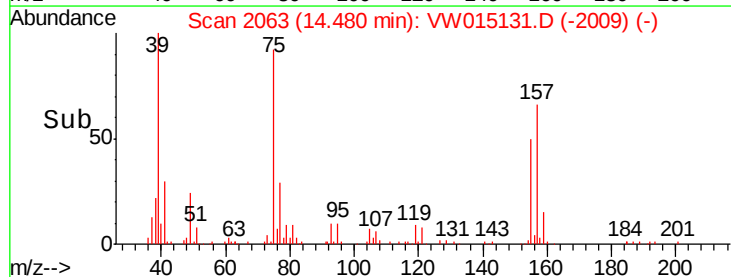
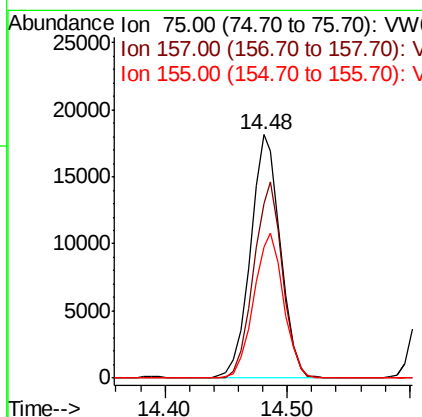
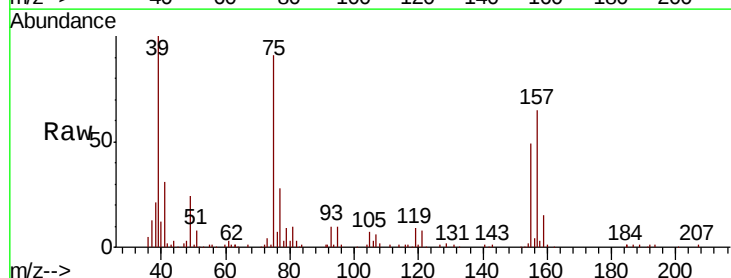
Instrument :
 MSVOA_W
 ClientSampleId :

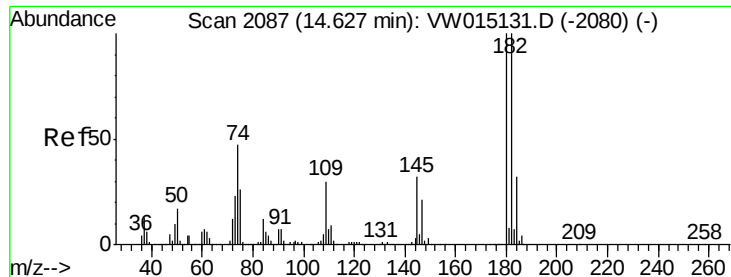
Tot Ion:146 Resp: 336136
 Ion Ratio Lower Upper
 146 100
 111 44.8 35.8 53.8
 148 65.4 52.3 78.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 26.096 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW015131.D
 Acq: 25 Mar 2020 10:29

Tgt Ion: 75 Resp: 30796
 Ion Ratio Lower Upper
 75 100
 157 71.6 57.3 85.9
 155 54.0 43.2 64.8

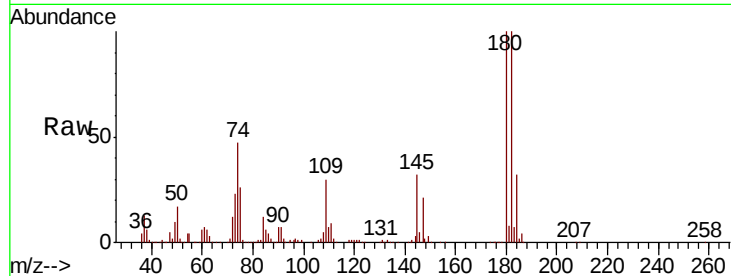




#67
 1,3,5-Trichlorobenzene
 Concen: 23.934 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW015131.D
 Acq: 25 Mar 2020 10:29

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	180	Resp:	231012
Ion	Ratio	Lower	Upper
180	100		
182	96.3	77.0	115.6
184	30.0	24.0	36.0
145	31.8	25.4	38.2



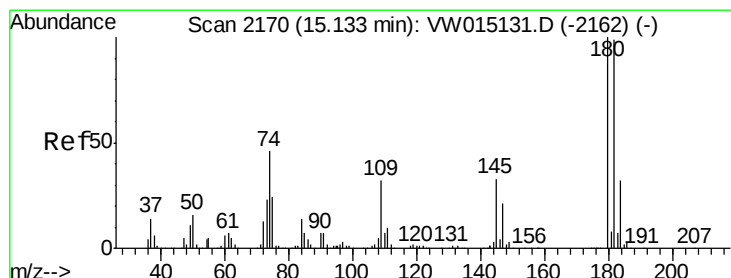
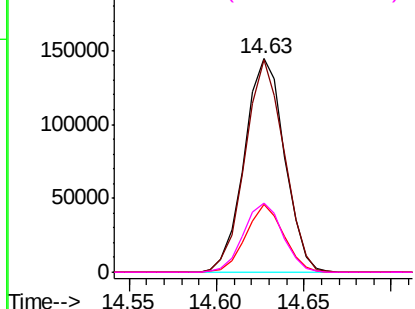
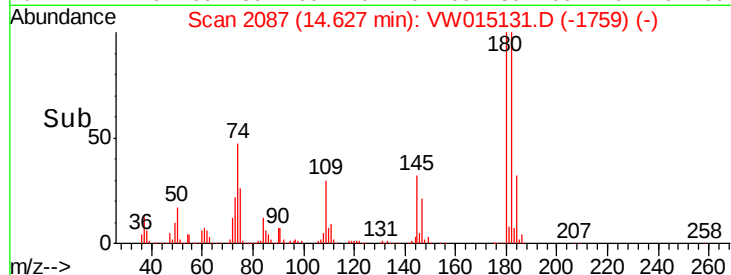
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

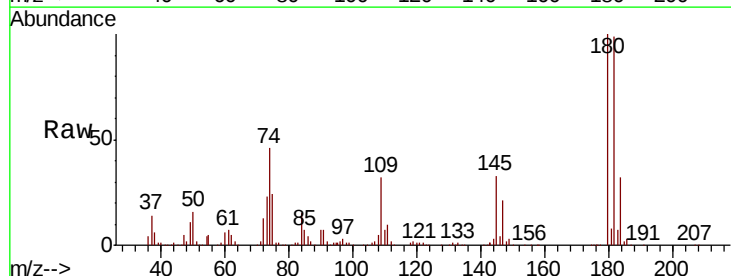
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 25.501 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015131.D
 Acq: 25 Mar 2020 10:29

Tgt Ion:	180	Resp:	181775
Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.8	113.6
145	32.2	25.8	38.6

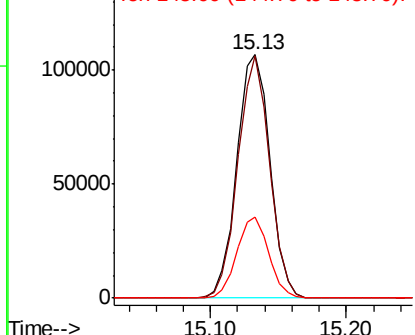
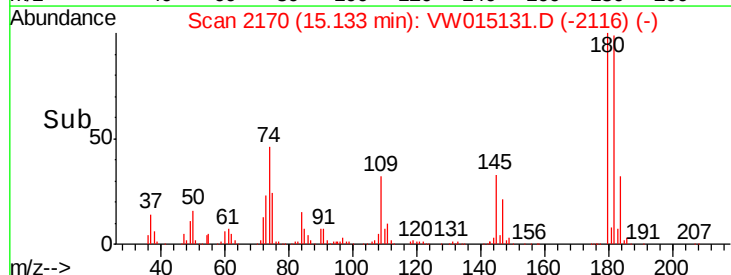


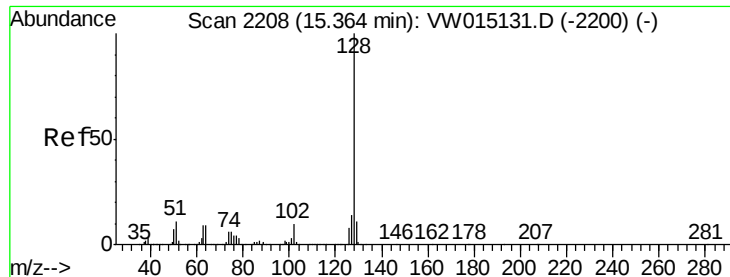
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 46.759 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW015131.D

Acq: 25 Mar 2020 10:29

Instrument :

MSVOA_W

ClientSampled :

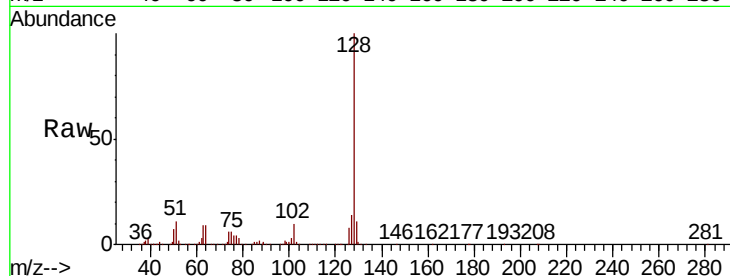
Tot Ion:128 Resp: 376519

Ion Ratio Lower Upper

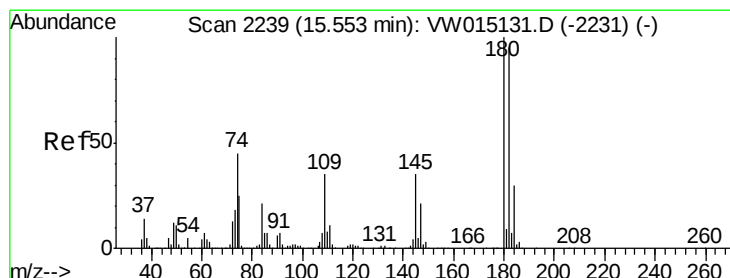
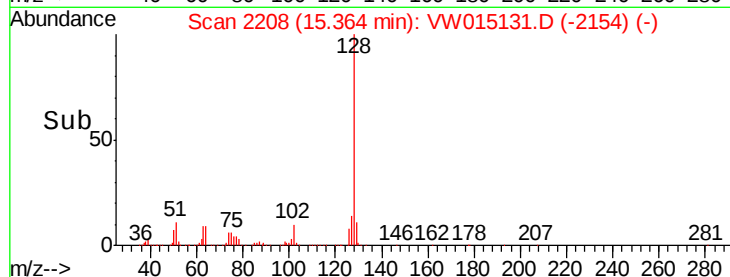
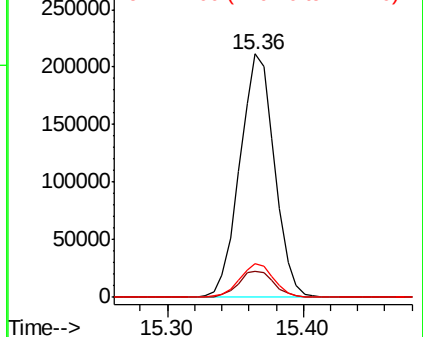
128 100

129 11.1 8.9 13.3

127 13.7 11.0 16.4



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: 26.574 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW015131.D

Acq: 25 Mar 2020 10:29

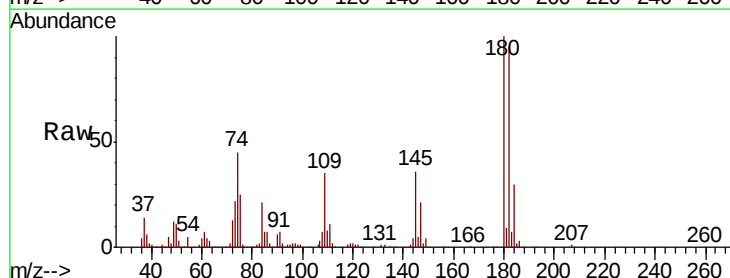
Tgt Ion:180 Resp: 170541

Ion Ratio Lower Upper

180 100

182 94.9 75.9 113.9

145 34.5 27.6 41.4



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

