

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032520\
 Data File : VW015133.D
 Acq On : 25 Mar 2020 11:21
 Operator : SY/VA
 Sample : VSTD10006
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 25 14:01:44 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	624577	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	573847	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	257577	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	1028385	70.48	ug/L	0.00
7) Chloroethane-d5	2.88	69	872607	81.25	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	2116417	90.05	ug/L	0.00
20) 2-Butanone-d5	7.07	46	589250	232.31	ug/L	0.00
24) Chloroform-d	7.65	84	1754156	88.60	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.30	65	1026947	92.30	ug/L	0.00
29) Benzene-d6	8.27	84	3513405	92.72	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	1170466	92.22	ug/L	0.00
37) Toluene-d8	10.32	98	3179618	100.61	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	493691	104.80	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	459906	269.80	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	850003	102.40	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	873948	95.85	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	490608	93.497 ug/L	97
3) Chloromethane	2.21	50	812475	69.996 ug/L	100
5) Vinyl chloride	2.37	62	1132988	74.917 ug/L	99
6) Bromomethane	2.78	94	640978	91.053 ug/L	99
8) Chloroethane	2.92	64	700802	83.298 ug/L	98
9) Trichlorofluoromethane	3.26	101	689924	97.823 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	885872	91.007 ug/L	99
12) 1,1-Dichloroethene	4.04	96	883258	95.622 ug/L	97
13) Acetone	4.12	43	436107	153.765 ug/L	99
14) Carbon disulfide	4.38	76	3209632	92.057 ug/L	100
15) Methyl Acetate	4.67	43	522910	101.327 ug/L	98
16) Methylene chloride	4.92	84	911026	79.598 ug/L	99
17) Methyl tert-butyl Ether	5.42	73	1242650	109.109 ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	922121	96.257 ug/L	99
19) 1,1-Dichloroethane	6.21	63	1918806	90.250 ug/L	97
21) 2-Butanone	7.16	43	709861	204.064 ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	947235	97.736 ug/L	98
23) Bromochloromethane	7.51	128	367211	96.330 ug/L	97
25) Chloroform	7.67	83	1706351	88.242 ug/L	100
27) 1,2-Dichloroethane	8.40	62	1254729	94.006 ug/L	100
30) Cyclohexane	7.96	56	2022489	107.004 ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	1388018	94.045 ug/L	99
32) Carbon tetrachloride	8.07	117	1219238	92.658 ug/L	99
34) Benzene	8.32	78	3990778	94.547 ug/L	100
35) Trichloroethene	9.09	95	974136	94.670 ug/L	98
36) Methylcyclohexane	9.34	83	1866103	106.419 ug/L	99
40) 1,2-Dichloropropane	9.37	63	1086584	92.724 ug/L	99
41) Bromodichloromethane	9.65	83	1268703	95.942 ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	1633317	107.038 ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	1546936	235.015 ug/L	99

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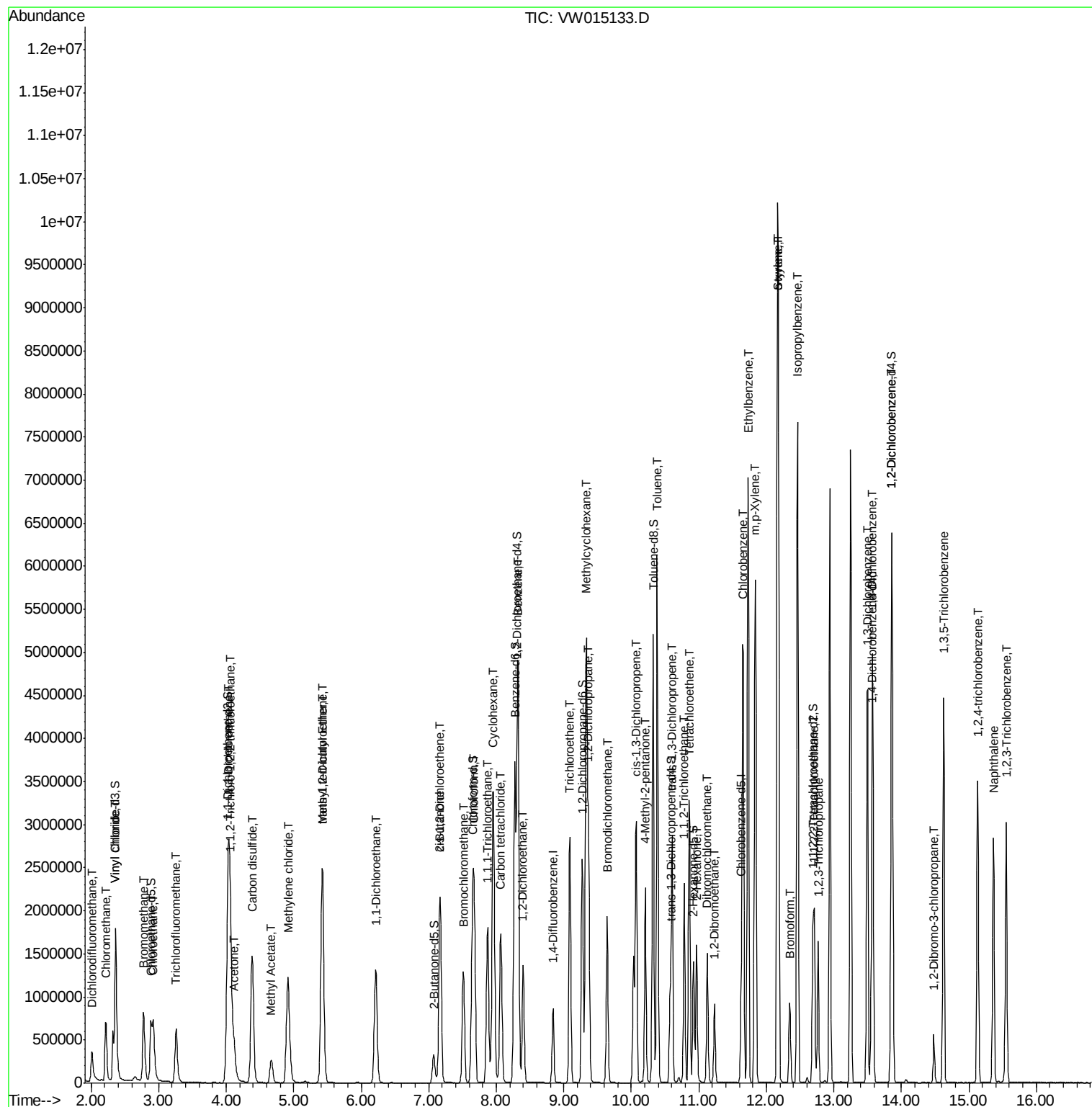
44) Toluene	10.38	91	4178296	101.688	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	1418194	112.893	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	666726	99.827	ug/L	99
47) Tetrachloroethene	10.86	164	634520	95.956	ug/L	96
49) 2-Hexanone	10.97	43	1095882	233.148	ug/L	99
50) Dibromochloromethane	11.13	129	716029	101.413	ug/L	98
51) 1,2-Dibromoethane	11.23	107	610086	104.693	ug/L	100
52) Chlorobenzene	11.66	112	2352139	97.076	ug/L	98
53) Ethylbenzene	11.73	91	4683232	104.072	ug/L	99
54) m,p-Xylene	11.83	106	1679889	106.875	ug/L	99
55) o-xylene	12.16	106	1608111	109.425	ug/L	98
56) Styrene	12.18	104	2782574	110.842	ug/L	94
57) Isopropylbenzene	12.46	105	4476739	111.786	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	862327	102.208	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	651235	100.663	ug/L	99
62) Bromoform	12.35	173	373846	103.061	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	1643754	98.713	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	1623382	94.385	ug/L	98
65) 1,2-Dichlorobenzene	13.86	146	1483555	98.006	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	146468	108.577	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	1101514	99.838	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	930979	114.256	ug/L	99
69) Naphthalene	15.36	128	2143176	232.838	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	850338	115.915	ug/L	99

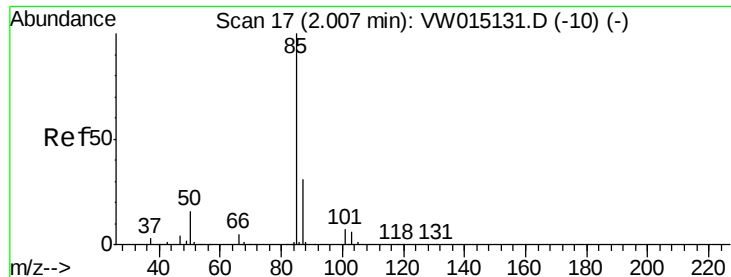
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 93.497 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW015133.D

Acq: 25 Mar 2020 11:21

Instrument :

MSVOA_W

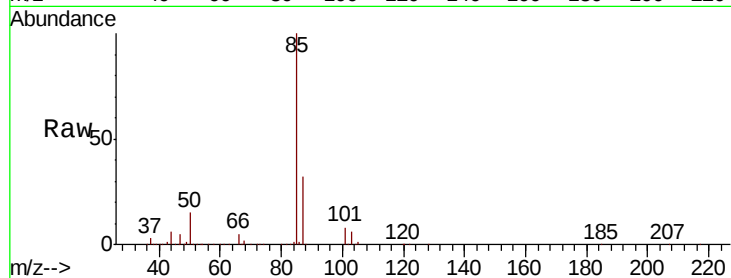
ClientSampleId :

Tot Ion: 85 Resp: 490608

Ion Ratio Lower Upper

85 100

87 31.8 23.4 43.6



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW

2.01

200000

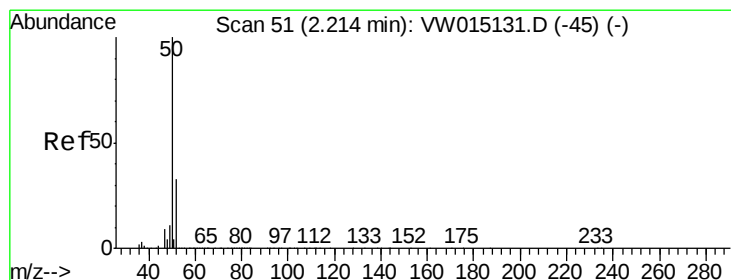
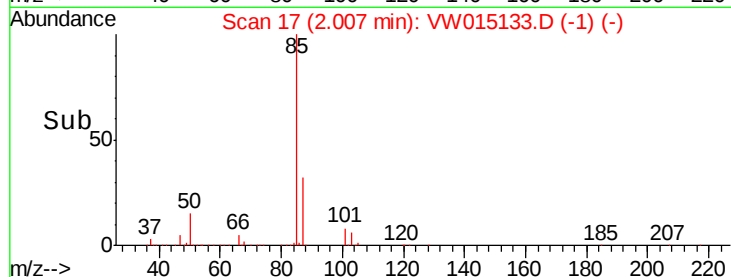
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 69.996 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015133.D

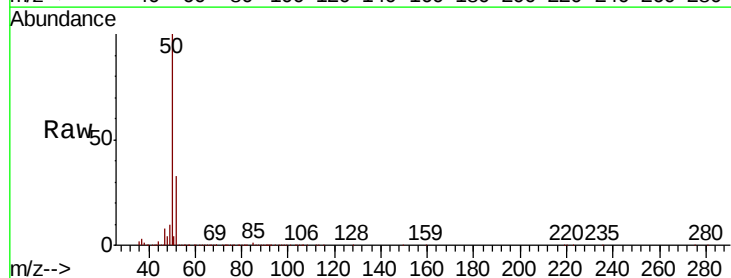
Acq: 25 Mar 2020 11:21

Tgt Ion: 50 Resp: 812475

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

2.21

400000

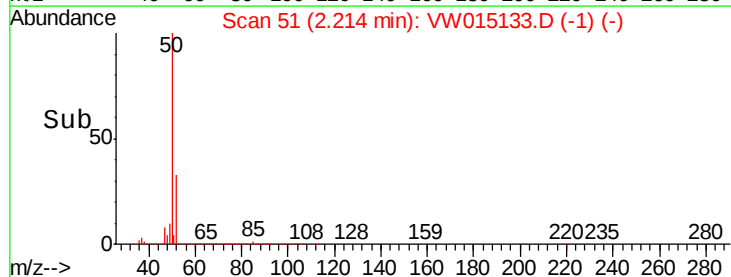
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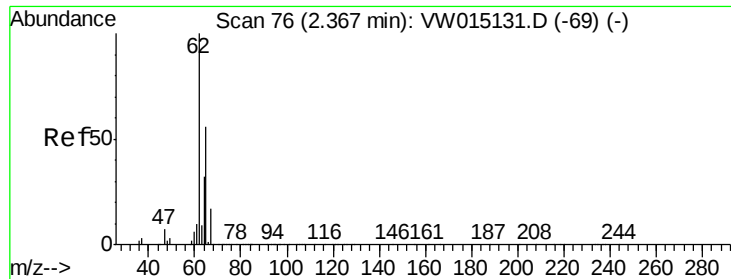
200000

100000

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Time-->





#5

Vinyl chloride

Concen: 74.917 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015133.D

Acq: 25 Mar 2020 11:21

Instrument :

MSVOA_W

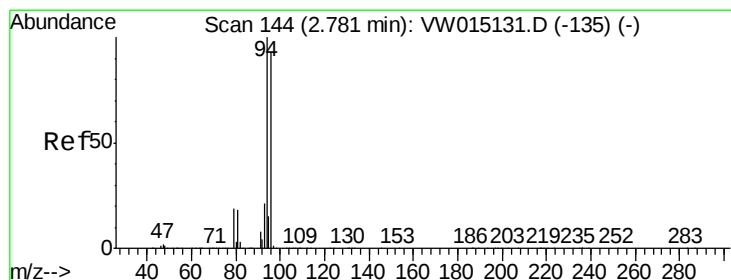
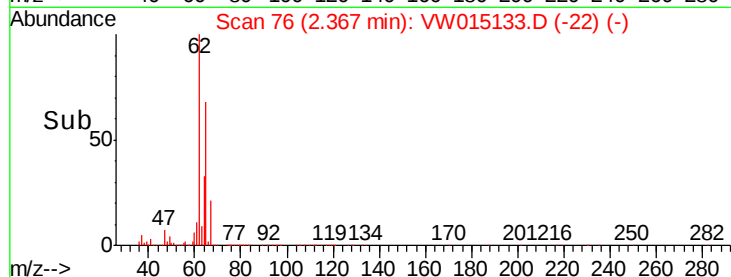
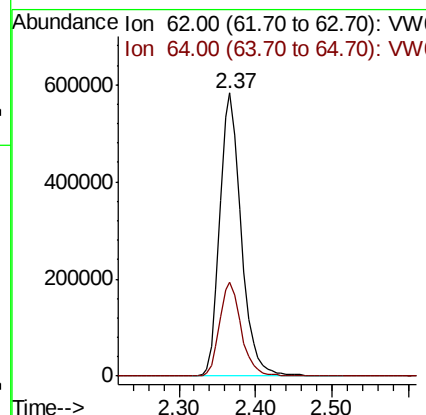
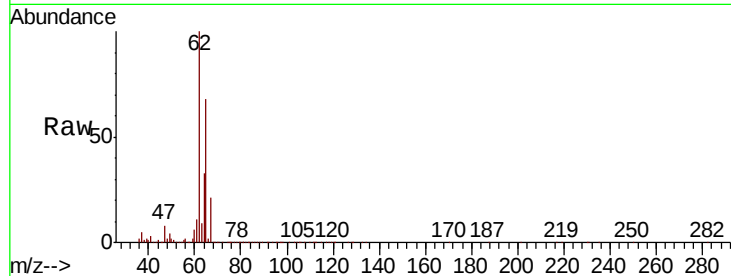
ClientSampled :

Tot Ion: 62 Resp: 1132988

Ion Ratio Lower Upper

62 100

64 33.2 22.7 42.3



#6

Bromomethane

Concen: 91.053 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW015133.D

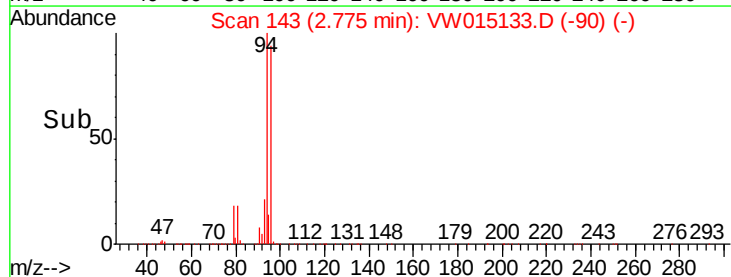
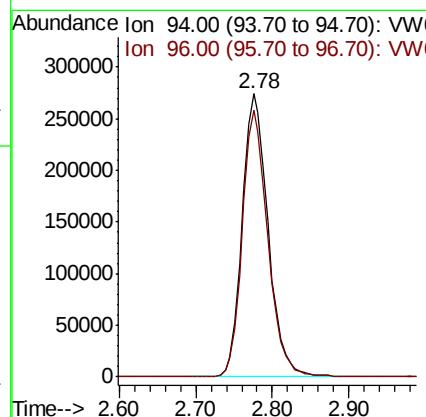
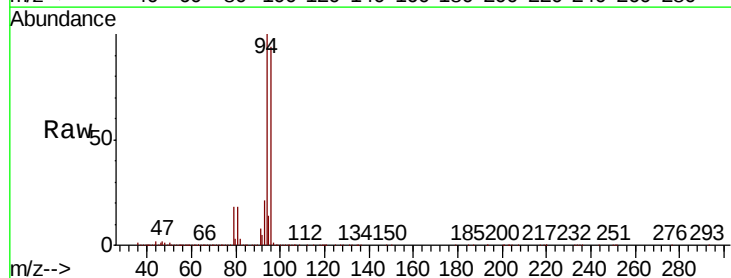
Acq: 25 Mar 2020 11:21

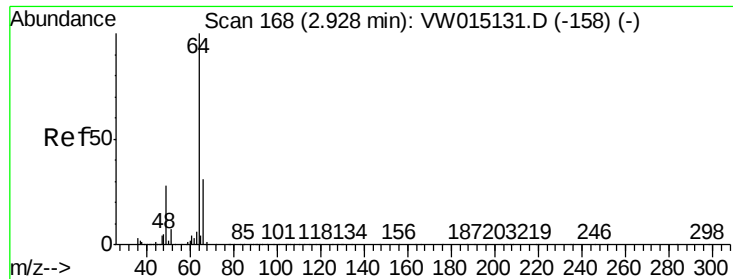
Tgt Ion: 94 Resp: 640978

Ion Ratio Lower Upper

94 100

96 92.8 9.3 177.3





#8

Chloroethane

Concen: 83.298 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW015133.D

Acq: 25 Mar 2020 11:21

Instrument :

MSVOA_W

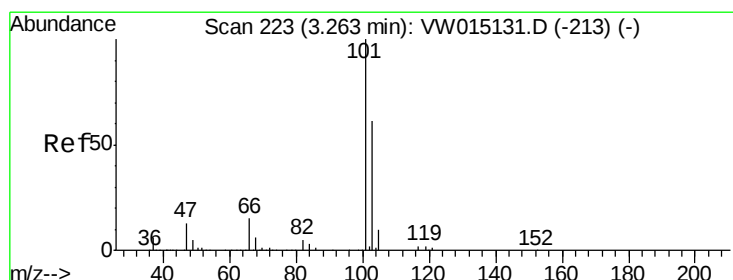
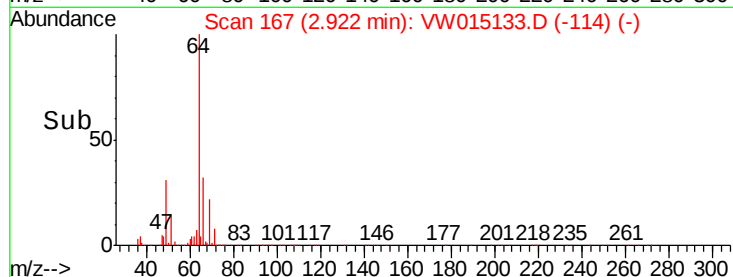
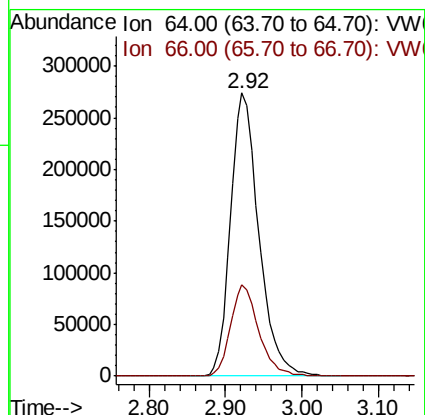
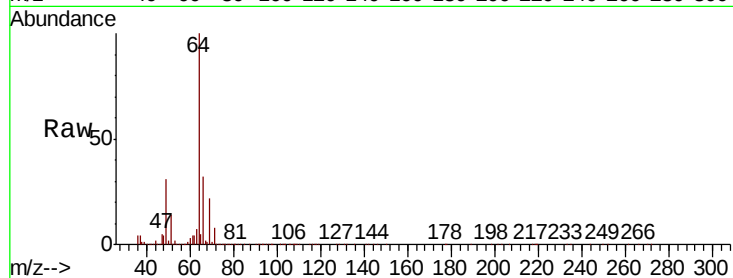
ClientSampleId :

Tot Ion: 64 Resp: 700802

Ion Ratio Lower Upper

64 100

66 32.3 21.8 40.6



#9

Trichlorofluoromethane

Concen: 97.823 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

Lab File: VW015133.D

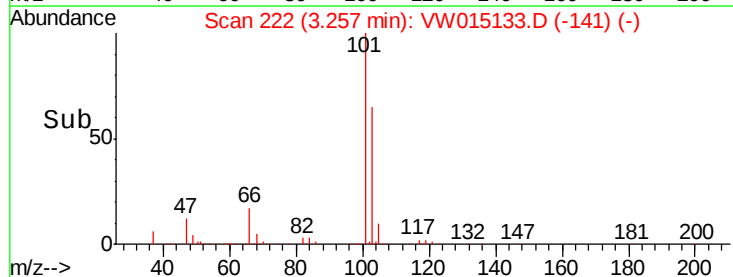
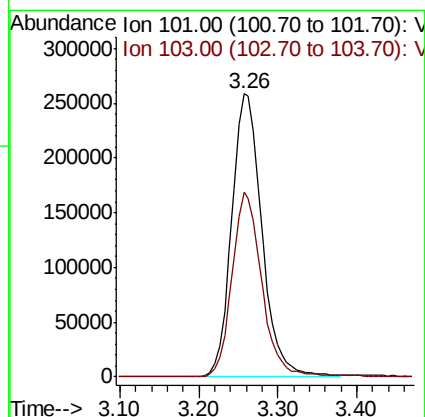
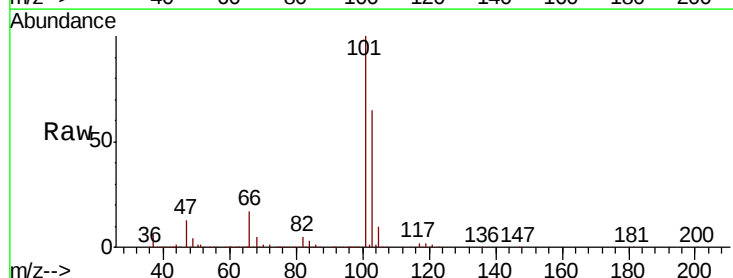
Acq: 25 Mar 2020 11:21

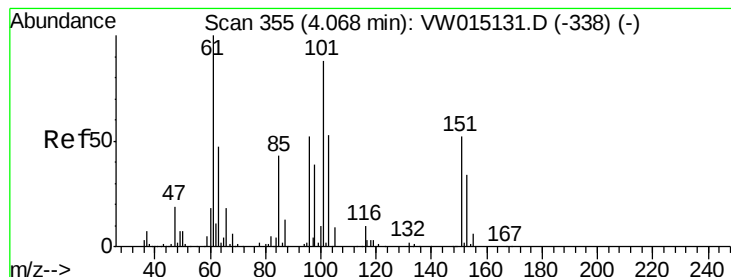
Tgt Ion: 101 Resp: 689924

Ion Ratio Lower Upper

101 100

103 63.2 43.8 81.4





#11

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

Concen: 91.007 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW015133.D

Acq: 25 Mar 2020 11:21

Instrument :

MSVOA_W

ClientSampled :

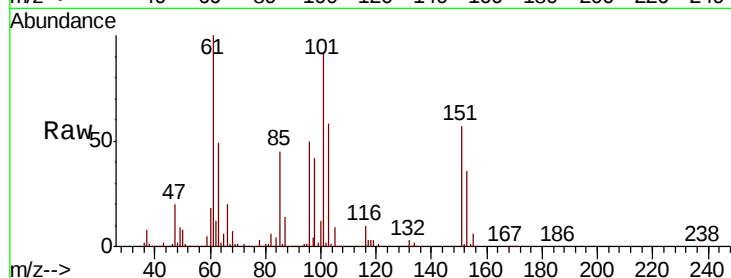
Tot Ion:101 Resp: 885872

Ion Ratio Lower Upper

101 100

85 48.1 37.8 56.6

151 62.6 50.2 75.4

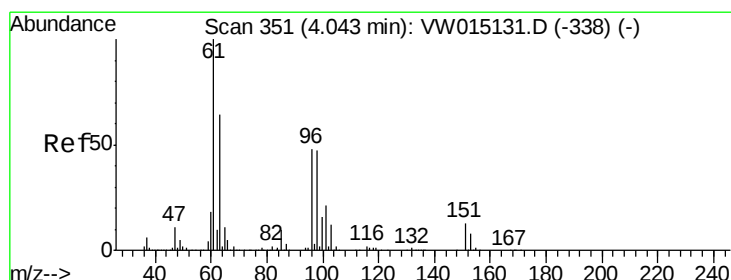
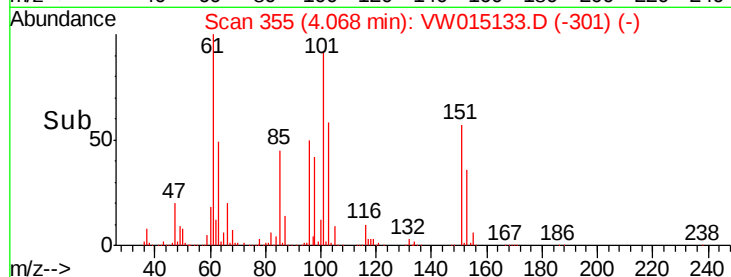
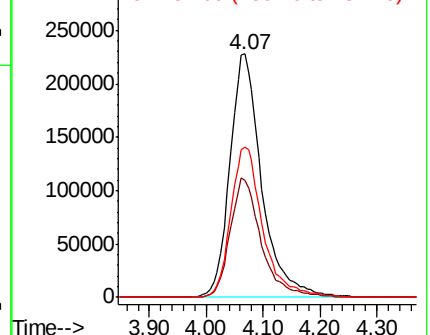


Abundance

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: 95.622 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW015133.D

Acq: 25 Mar 2020 11:21

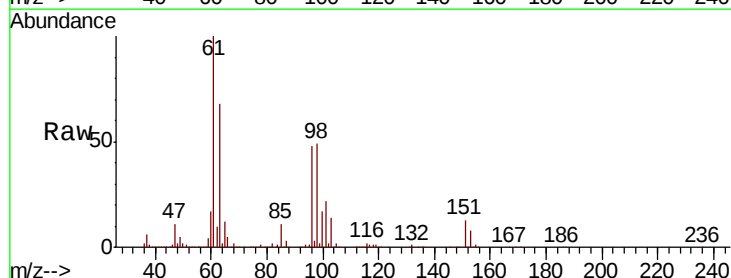
Tgt Ion: 96 Resp: 883258

Ion Ratio Lower Upper

96 100

61 210.2 146.2 271.4

63 142.1 95.0 176.4

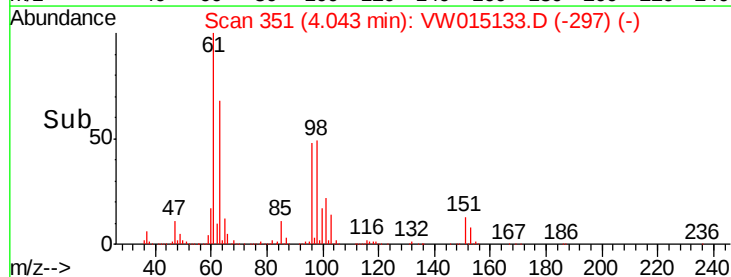
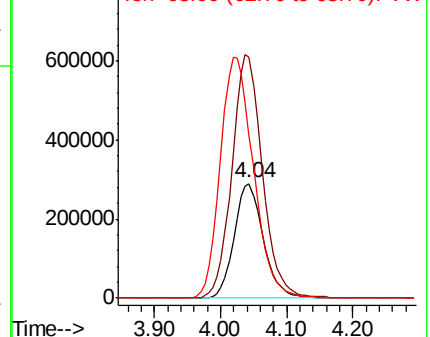


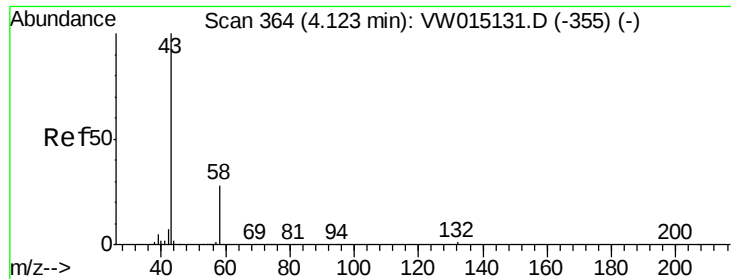
Abundance

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: 153.765 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW015133.D

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Instrument :

MSVOA_W

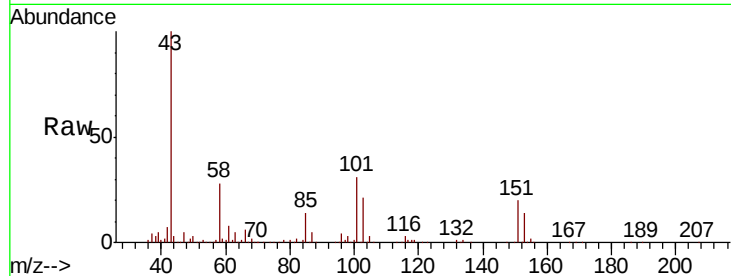
ClientSampleId :

Tot Ion: 43 Resp: 436107

Ion Ratio Lower Upper

43 100

58 26.8 0.0 54.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

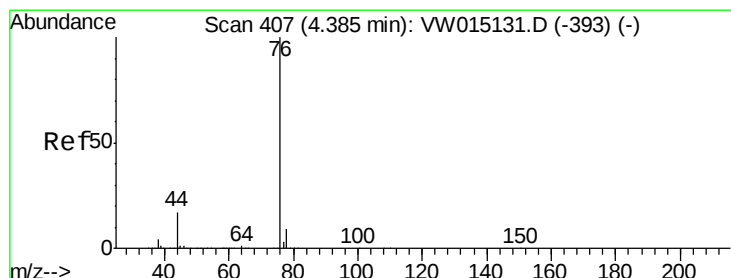
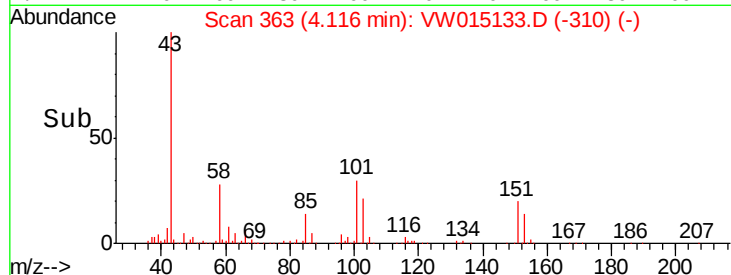
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100000

50000

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Time-->



#14

Carbon disulfide

Concen: 92.057 ug/L

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW015133.D

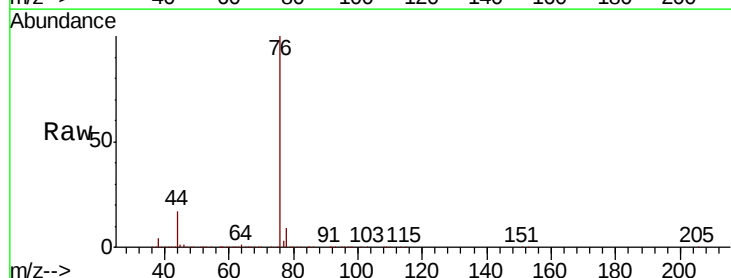
Acq: 25 Mar 2020 11:21

Tgt Ion: 76 Resp: 3209632

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.38

1200000

1000000

800000

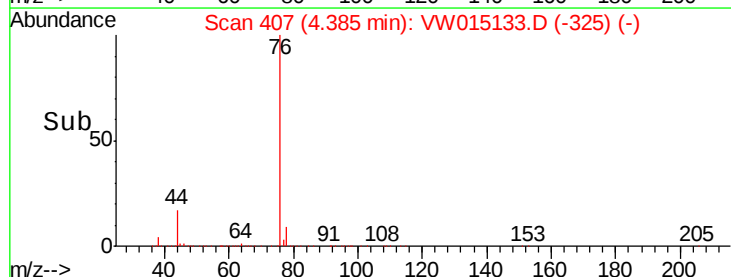
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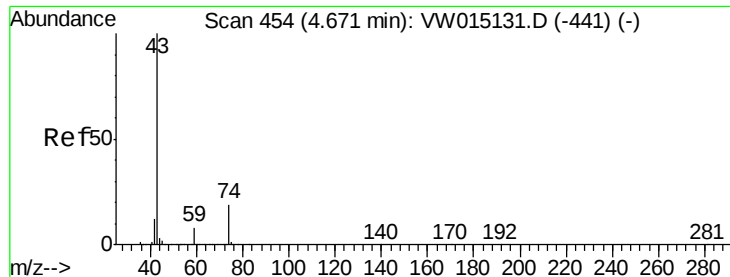
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Time-->

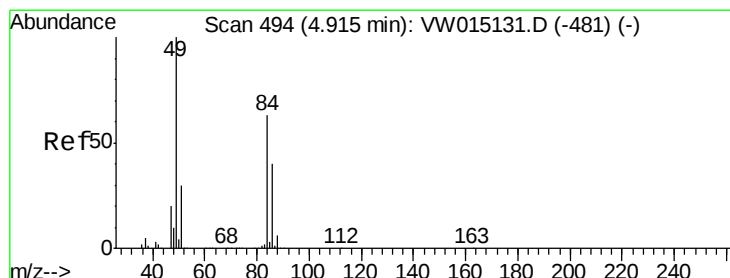
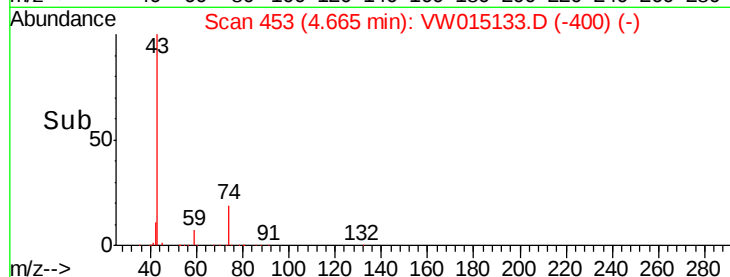
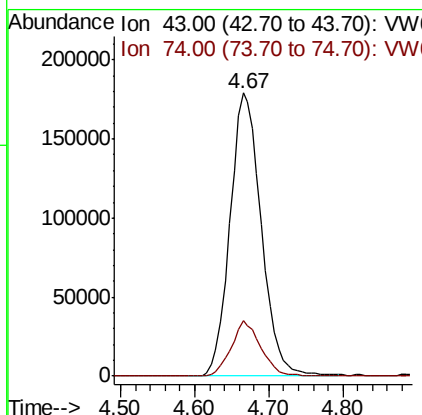
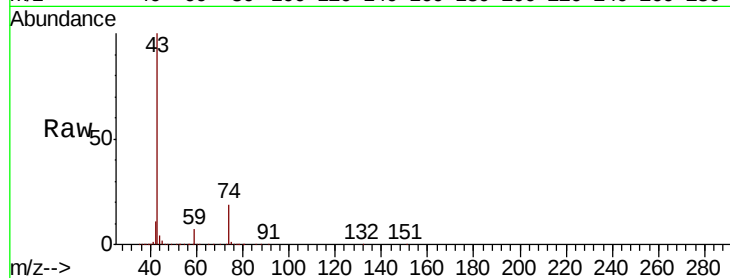




#15
Methyl Acetate
Concen: 101.327 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW015133.D
Acq: 25 Mar 2020 11:21

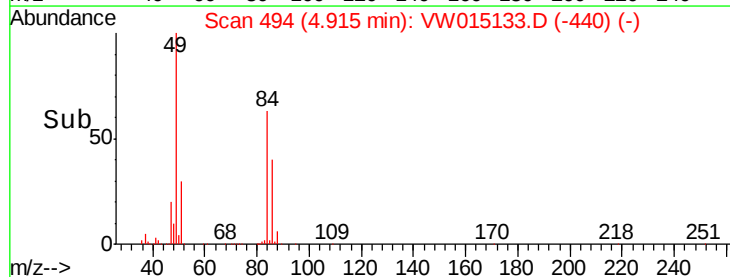
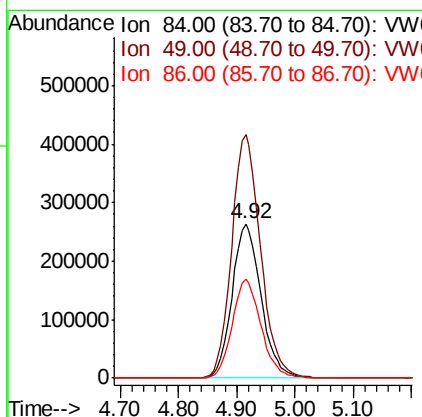
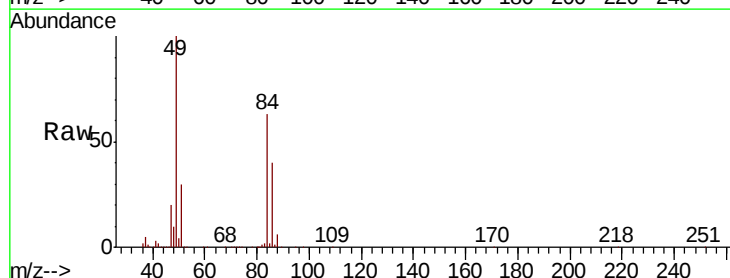
Instrument :
MSVOA_W
ClientSampled :

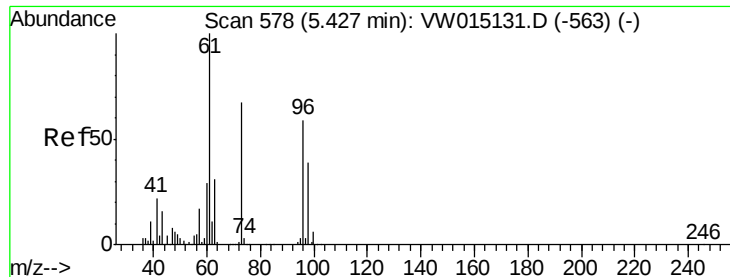
Tot Ion: 43 Resp: 522910
Ion Ratio Lower Upper
43 100
74 18.6 15.5 23.3



#16
Methylene chloride
Concen: 79.598 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW015133.D
Acq: 25 Mar 2020 11:21

Tgt Ion: 84 Resp: 911026
Ion Ratio Lower Upper
84 100
49 157.5 111.7 207.5
86 63.7 44.7 82.9

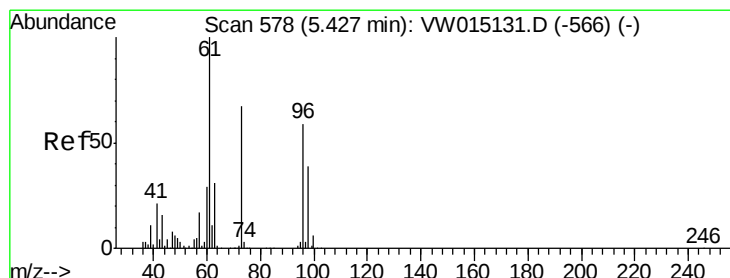
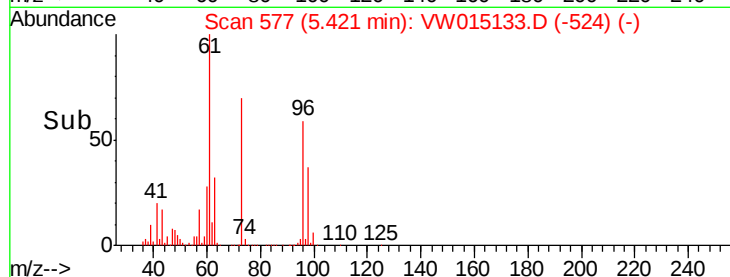
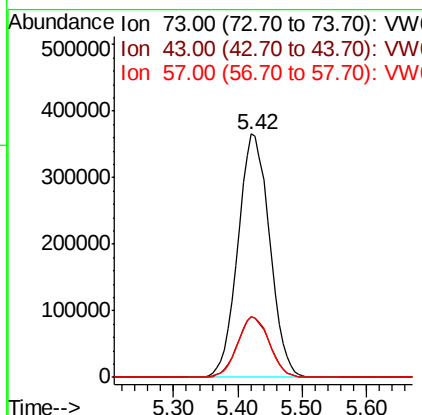
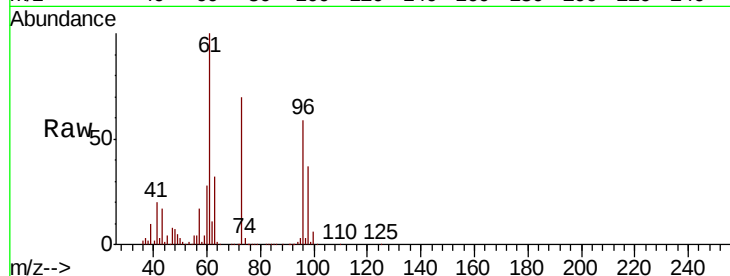




#17
Methvl tert-butvl Ether
Concen: 109.109 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW015133.D
Acq: 25 Mar 2020 11:21

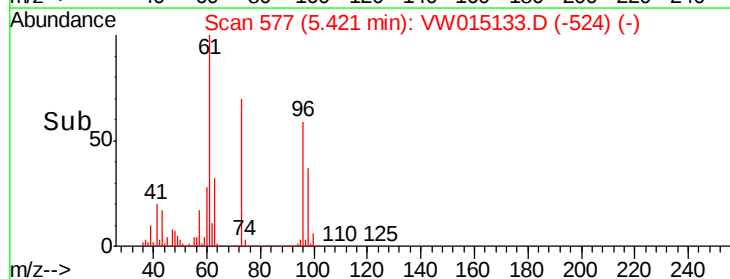
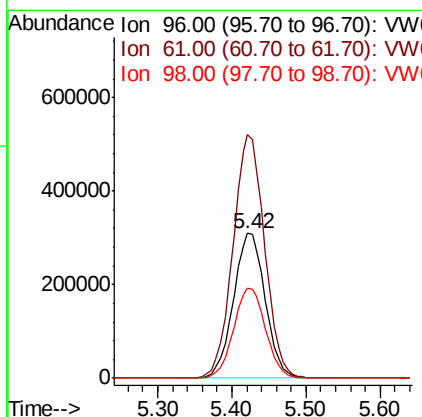
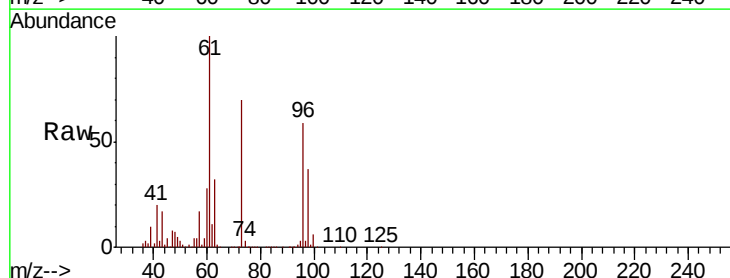
Instrument :
MSVOA_W
ClientSampled :

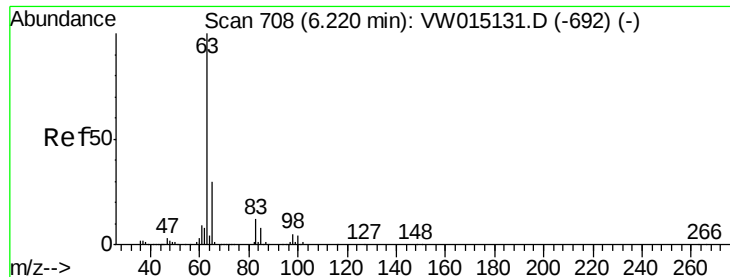
Tot Ion: 73 Resp: 1242650
Ion Ratio Lower Upper
73 100
43 25.0 20.2 30.2
57 24.9 19.7 29.5



#18
trans-1,2-Dichloroethene
Concen: 96.257 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW015133.D
Acq: 25 Mar 2020 11:21

Tgt Ion: 96 Resp: 922121
Ion Ratio Lower Upper
96 100
61 168.2 118.1 219.3
98 62.4 45.8 85.2



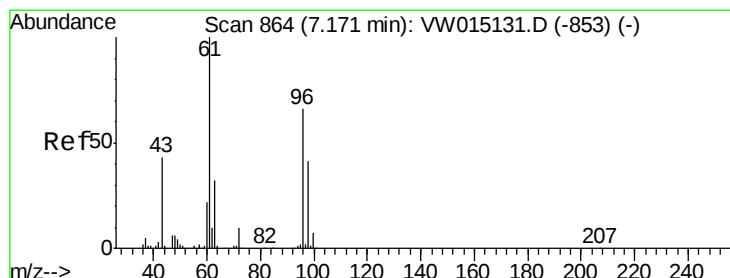
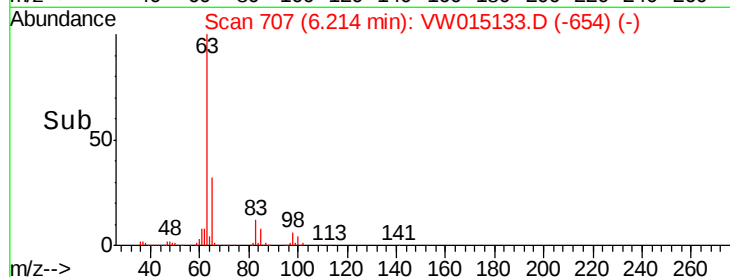
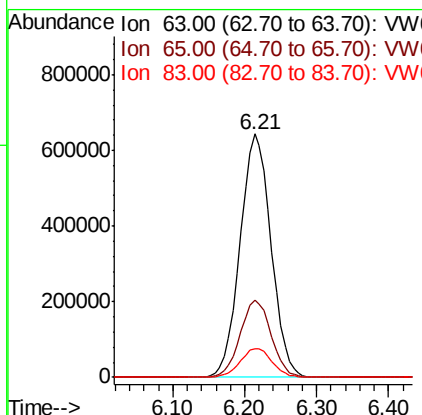
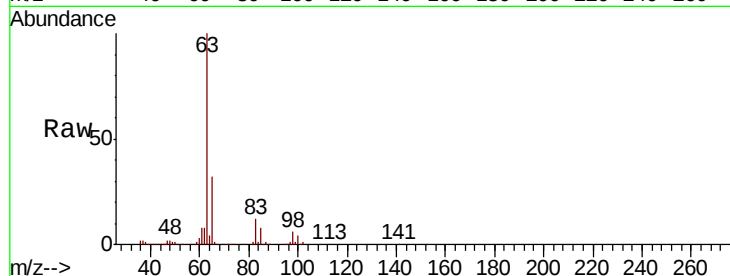


#19
 1,1-Dichloroethane
 Concen: 90.250 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VW015133.D
 Acq: 25 Mar 2020 11:21

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 63 Resp: 1918806

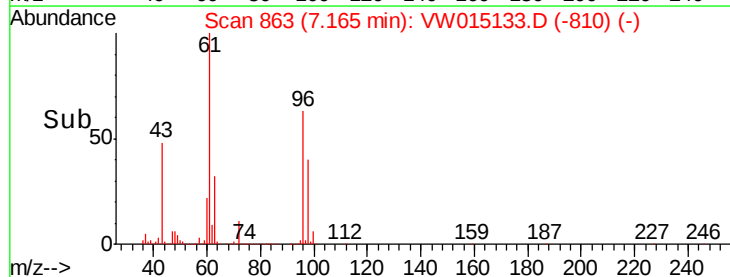
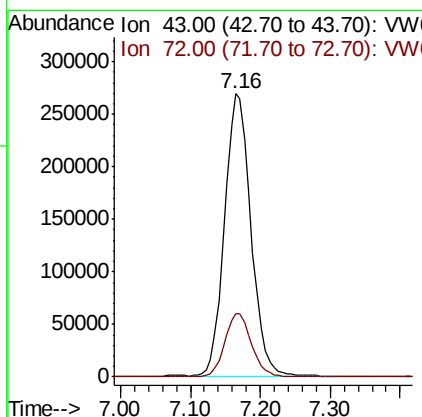
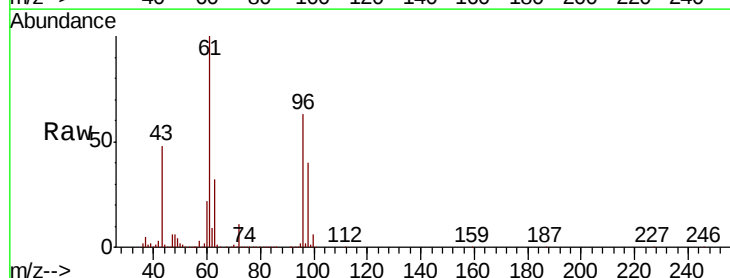
Ion	Ratio	Lower	Upper
63	100		
65	31.7	20.6	38.4
83	12.0	8.1	15.1

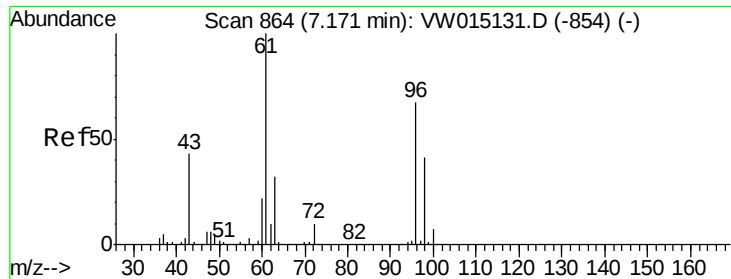


#21
 2-Butanone
 Concen: 204.064 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW015133.D
 Acq: 25 Mar 2020 11:21

Tgt Ion: 43 Resp: 709861

Ion	Ratio	Lower	Upper
43	100		
72	22.5	11.7	35.0



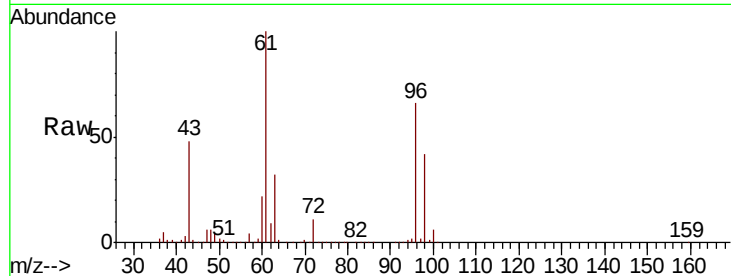


#22

cis-1,2-Dichloroethene
 Concen: 97.736 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW015133.D
 Acq: 25 Mar 2020 11:21

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	96	Resp	947235
Ion Ratio	Lower	Upper	
96	100		
61	152.2	105.6	196.0
98	63.8	43.3	80.5

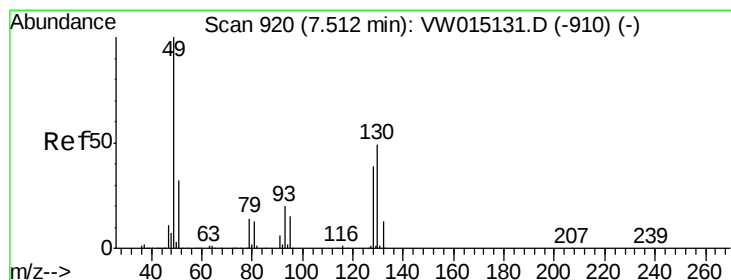
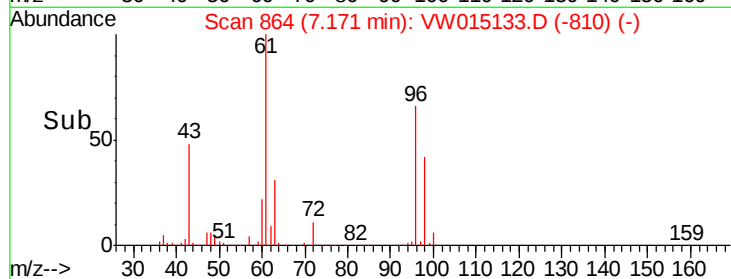
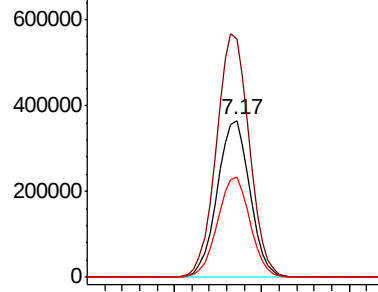


Abundance

Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

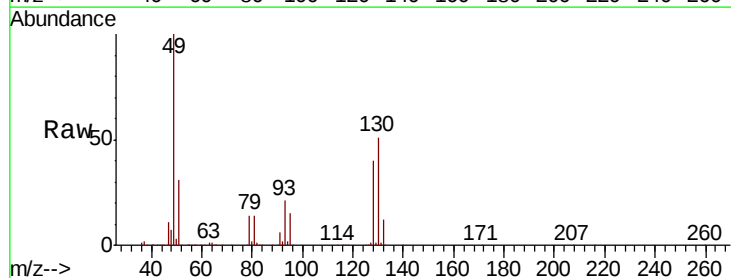
Ion 98.00 (97.70 to 98.70): VW



#23

Bromochloromethane
 Concen: 96.330 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW015133.D
 Acq: 25 Mar 2020 11:21

Tgt Ion	128	Resp	367211
Ion Ratio	Lower	Upper	
128	100		
49	253.0	181.2	336.6
130	128.0	88.4	164.2
51	78.0	66.2	99.4



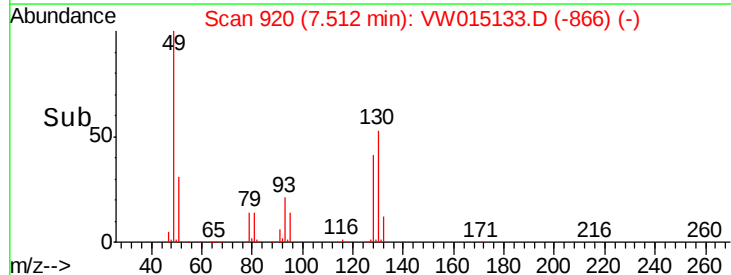
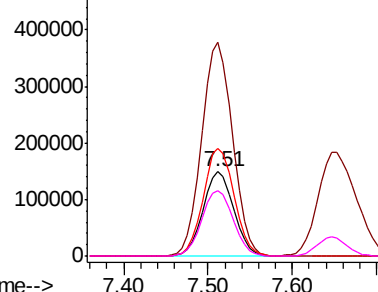
Abundance

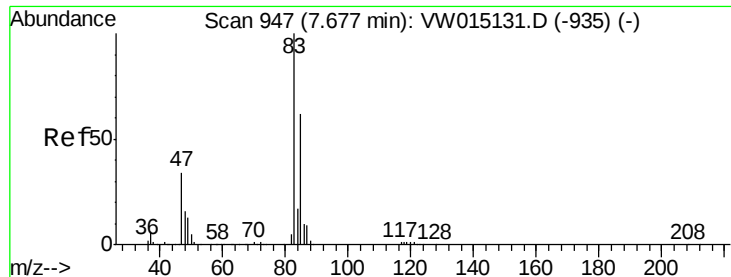
Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VW

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VW

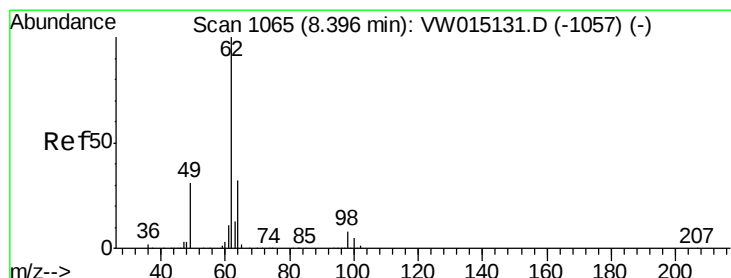
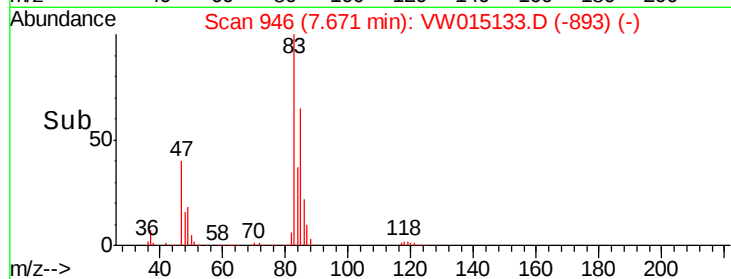
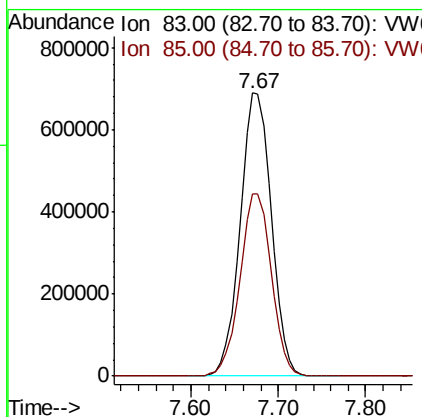
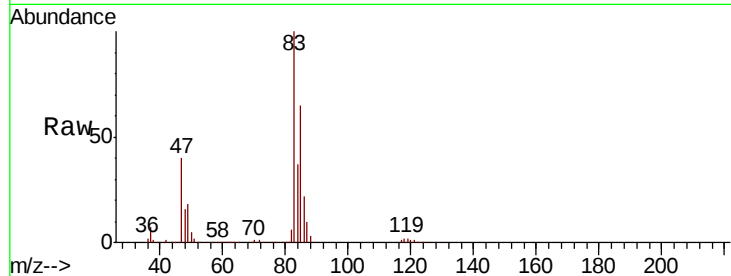




#25
Chloroform
Concen: 88.242 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW015133.D
Acq: 25 Mar 2020 11:21

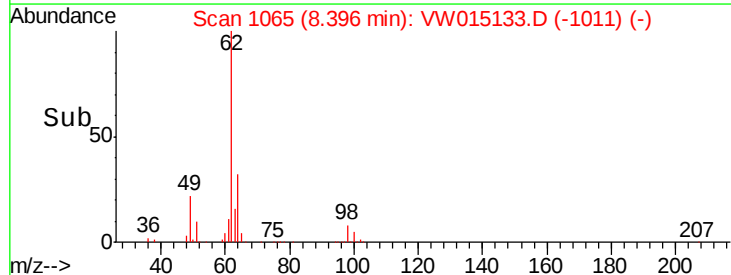
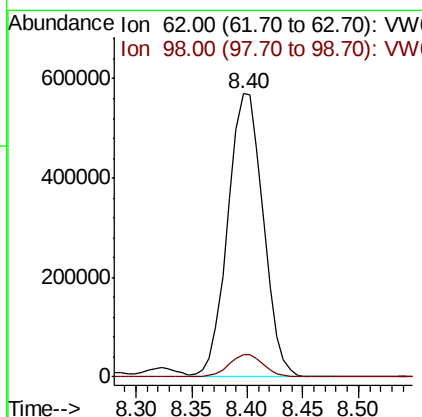
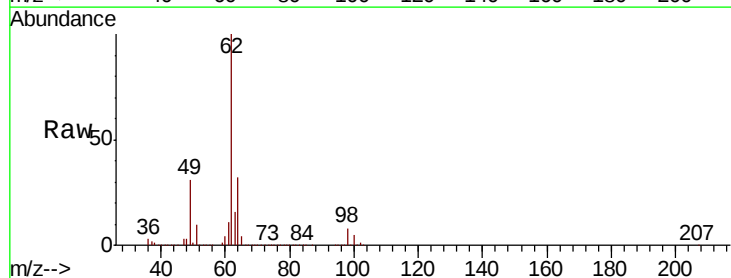
Instrument :
MSVOA_W
ClientSampleId :

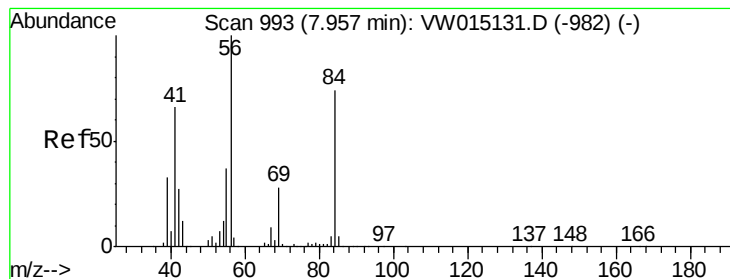
Tot Ion: 83 Resp: 1706351
Ion Ratio Lower Upper
83 100
85 65.1 45.4 84.2



#27
1,2-Dichloroethane
Concen: 94.006 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW015133.D
Acq: 25 Mar 2020 11:21

Tgt Ion: 62 Resp: 1254729
Ion Ratio Lower Upper
62 100
98 7.8 6.2 9.4





#30

Cyclohexane

Concen: 107.004 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

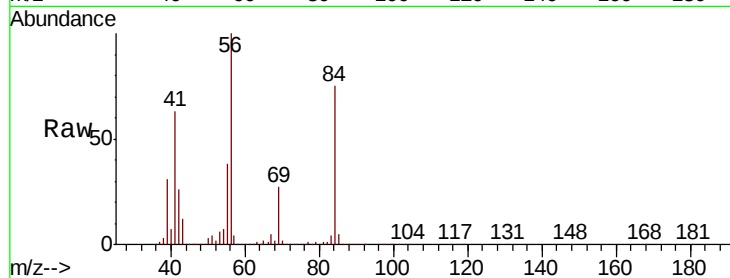
Lab File: VW015133.D

Acq: 25 Mar 2020 11:21

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 2022489

Ion	Ratio	Lower	Upper
56	100		
69	27.6	22.0	33.0
84	74.1	58.9	88.3

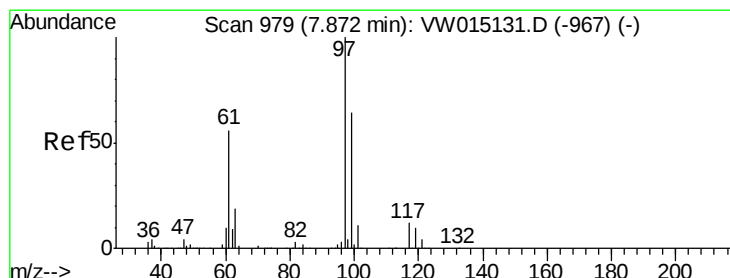
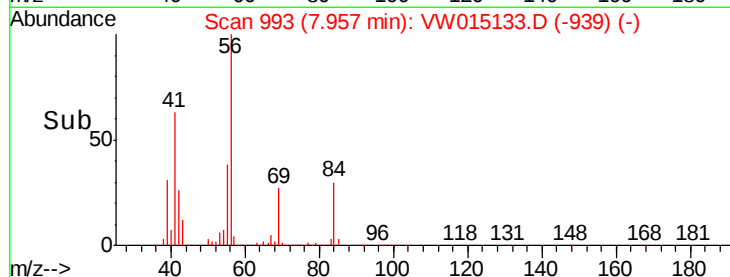
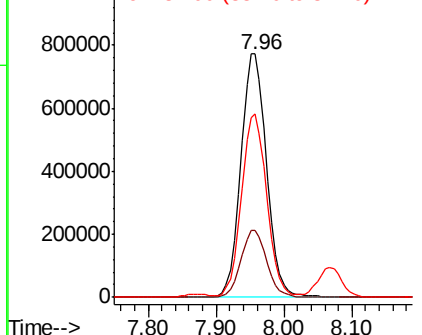


Abundance

Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#31

1,1,1-Trichloroethane

Concen: 94.045 ug/L

RT: 7.87 min Scan# 979

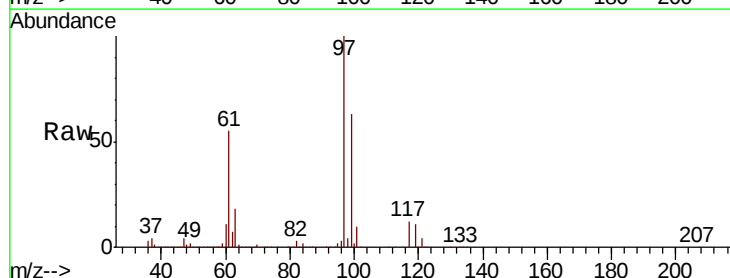
Delta R.T. -0.00 min

Lab File: VW015133.D

Acq: 25 Mar 2020 11:21

Tgt Ion: 97 Resp: 1388018

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.0	76.4
61	55.0	44.8	67.2

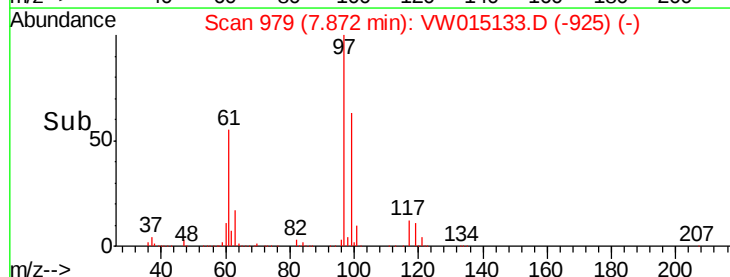
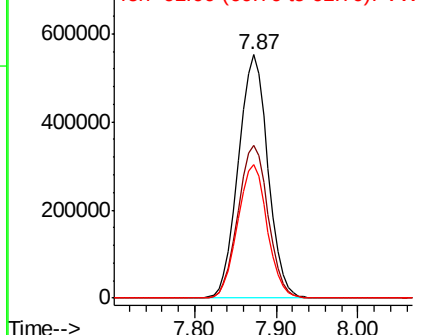


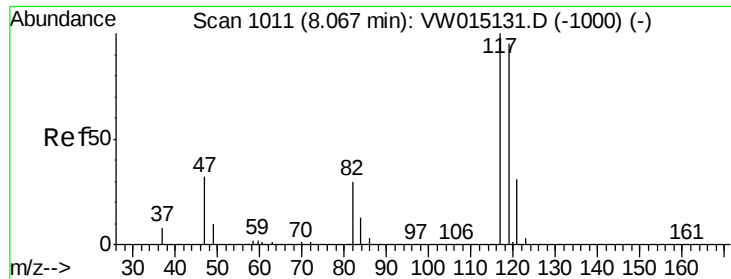
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 92.658 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW015133.D

Acq: 25 Mar 2020 11:21

Instrument :

MSVOA_W

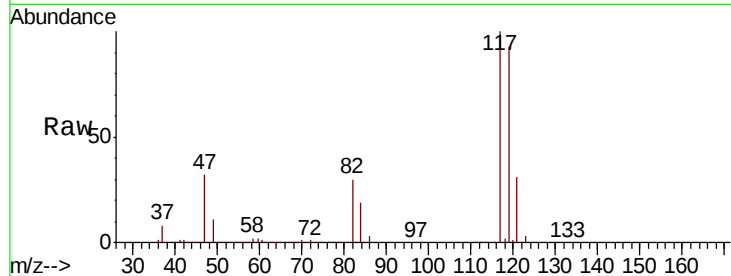
ClientSampled :

Tot Ion:117 Resp: 1219238

Ion Ratio Lower Upper

117 100

119 95.2 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

500000

400000

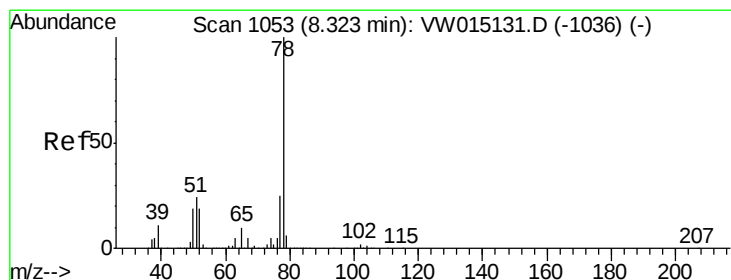
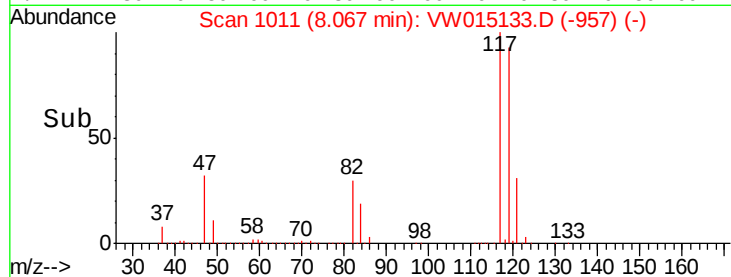
300000

200000

100000

0

Time-->



#34

Benzene

Concen: 94.547 ug/L

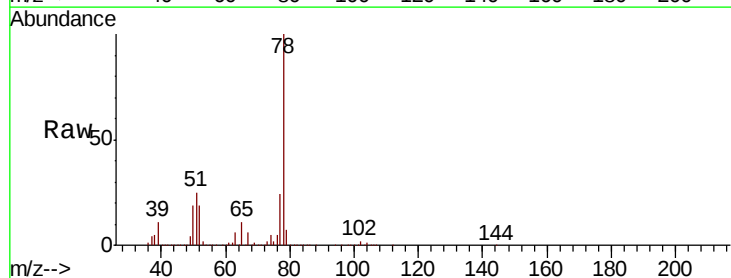
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW015133.D

Acq: 25 Mar 2020 11:21

Tgt Ion: 78 Resp: 3990778



Abundance Ion 78.00 (77.70 to 78.70): VW

2000000

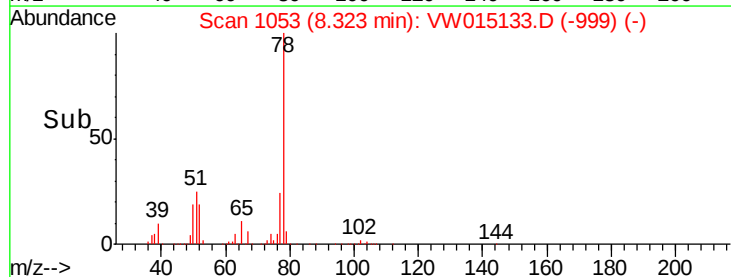
1500000

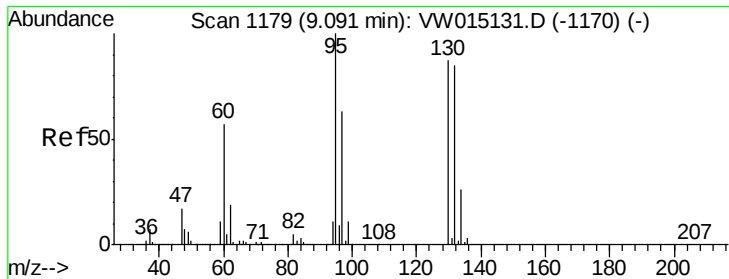
1000000

500000

0

Time-->

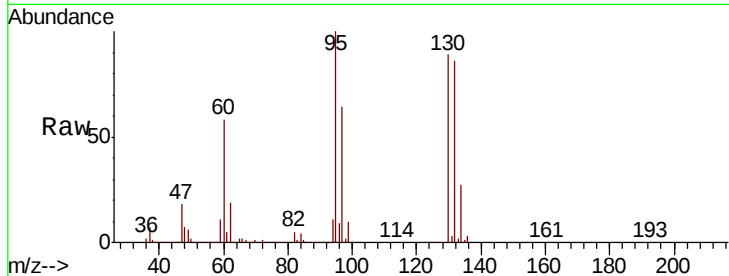




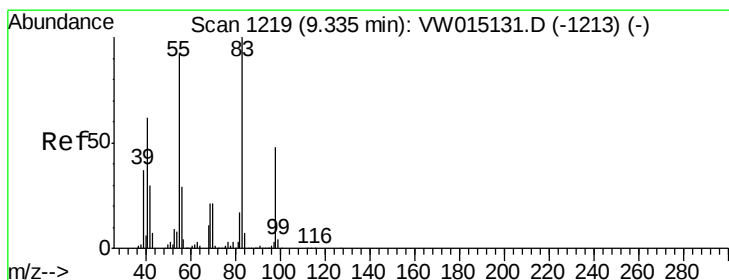
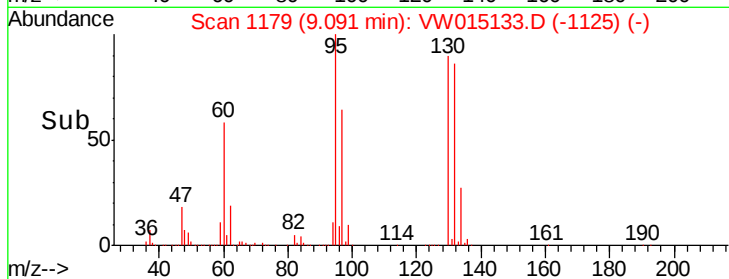
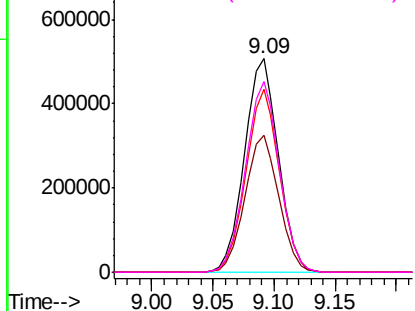
#35
 Trichloroethene
 Concen: 94.670 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW015133.D
 Acq: 25 Mar 2020 11:21

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 95 Resp: 974136
 Ion Ratio Lower Upper
 95 100
 97 64.0 43.7 81.1
 132 84.9 58.7 109.1
 130 89.1 61.3 113.9

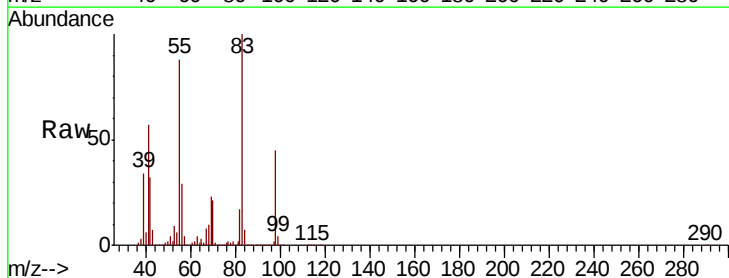


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

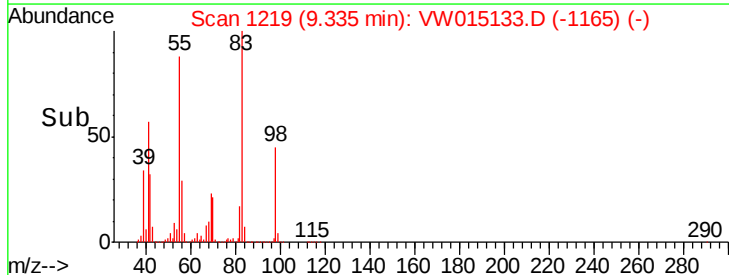
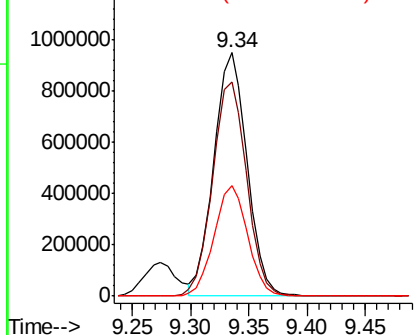


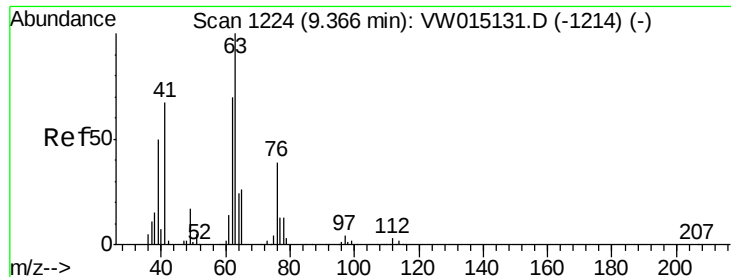
#36
 Methylcyclohexane
 Concen: 106.419 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW015133.D
 Acq: 25 Mar 2020 11:21

Tgt Ion: 83 Resp: 1866103
 Ion Ratio Lower Upper
 83 100
 55 90.6 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

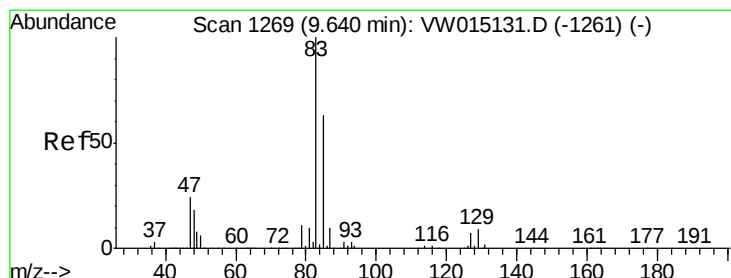
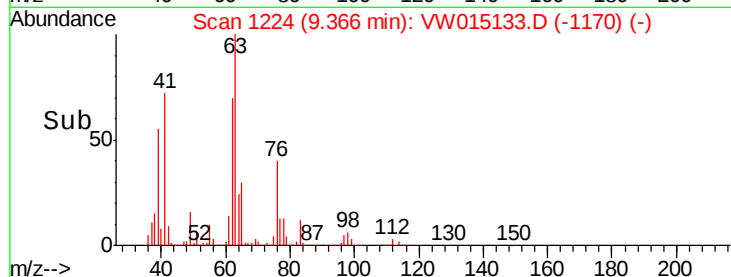
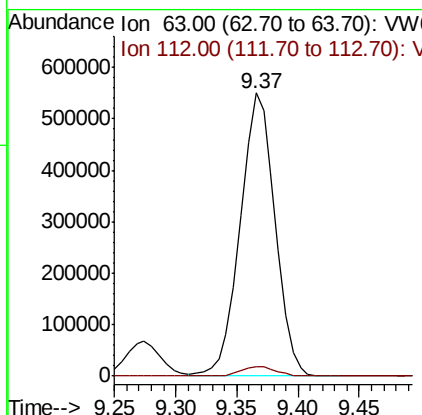
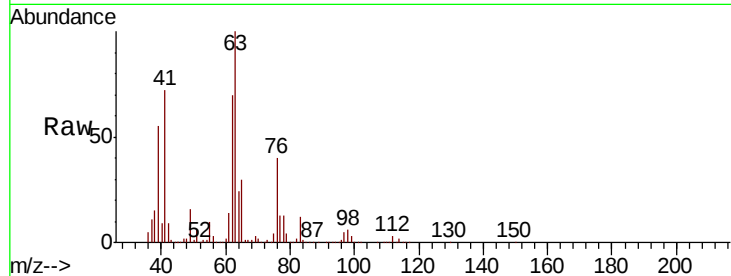




#40
 1,2-Dichloropropane
 Concen: 92.724 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW015133.D
 Acq: 25 Mar 2020 11:21

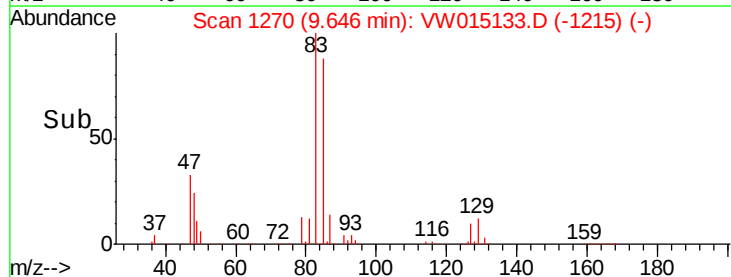
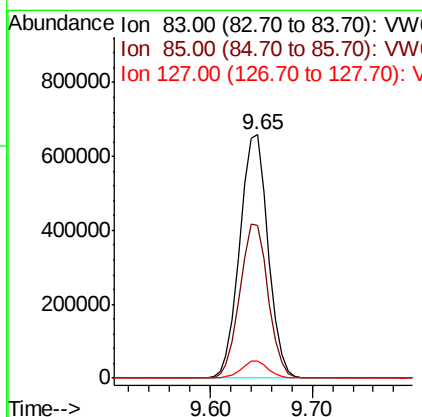
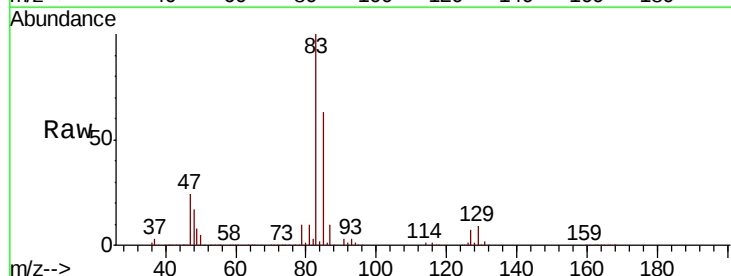
Instrument :
 MSVOA_W
 ClientSampleId :

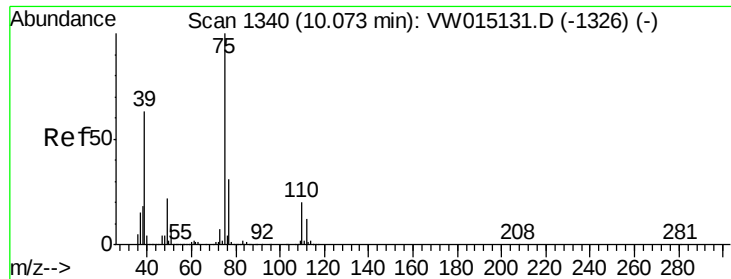
Tot Ion: 63 Resp: 1086584
 Ion Ratio Lower Upper
 63 100
 112 3.4 2.9 4.3



#41
 Bromodichloromethane
 Concen: 95.942 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VW015133.D
 Acq: 25 Mar 2020 11:21

Tgt Ion: 83 Resp: 1268703
 Ion Ratio Lower Upper
 83 100
 85 62.8 44.1 81.9
 127 6.8 5.5 8.3





#42

cis-1,3-Dichloropropene

Concen: 107.038 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015133.D

Acq: 25 Mar 2020 11:21

Instrument :

MSVOA_W

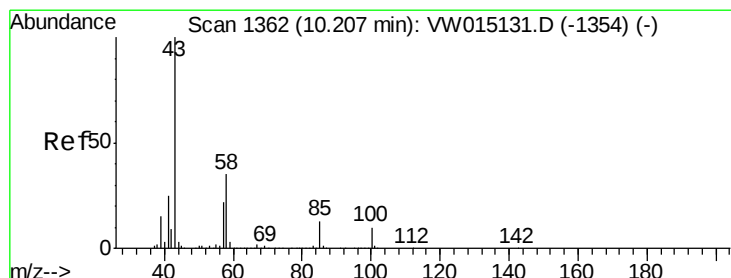
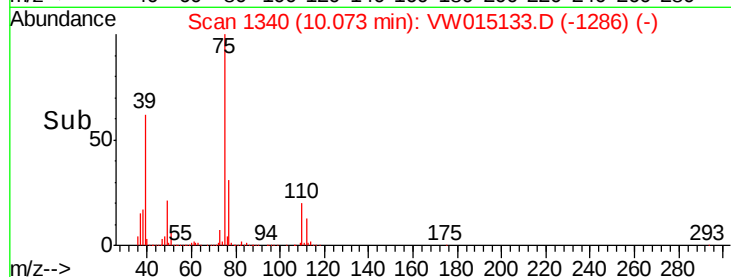
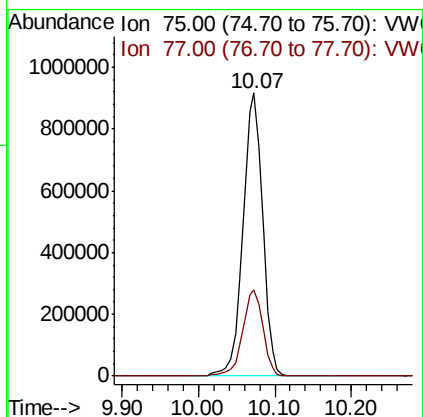
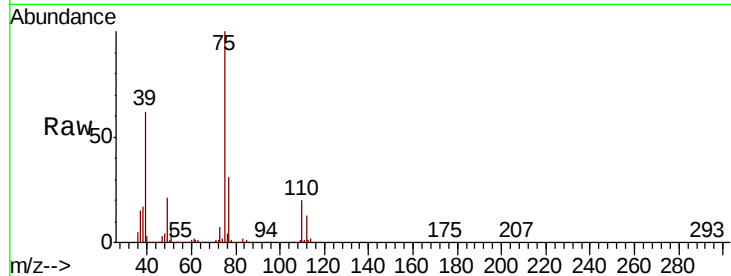
ClientSampleId :

Tot Ion: 75 Resp: 1633317

Ion Ratio Lower Upper

75 100

77 30.7 21.4 39.8



#43

4-Methyl-2-pentanone

Concen: 235.015 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW015133.D

Acq: 25 Mar 2020 11:21

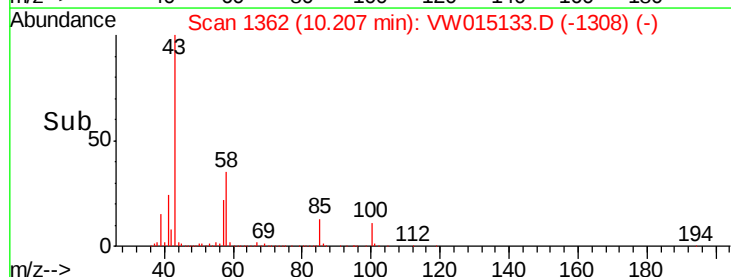
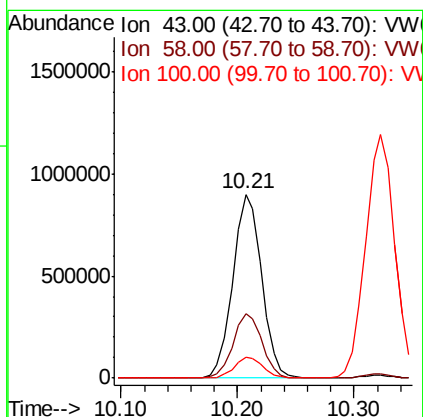
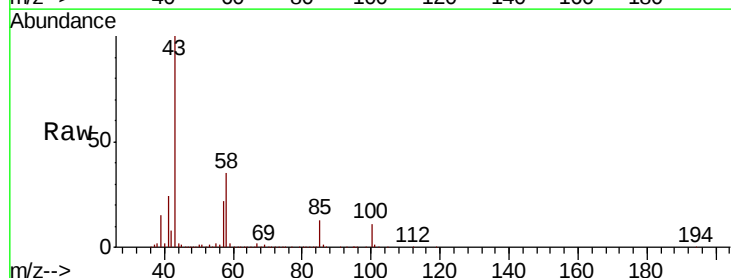
Tgt Ion: 43 Resp: 1546936

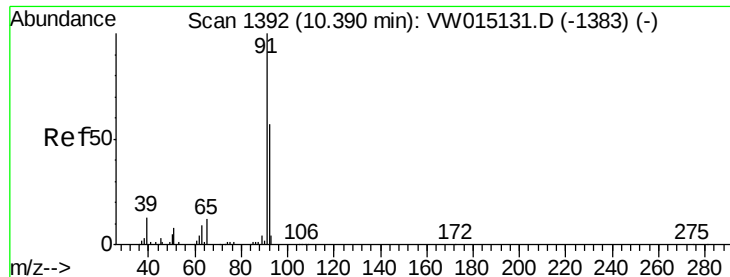
Ion Ratio Lower Upper

43 100

58 35.3 27.9 41.9

100 11.3 8.9 13.3





#44

Toluene

Concen: 101.688 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW015133.D

Acq: 25 Mar 2020 11:21

Instrument :

MSVOA_W

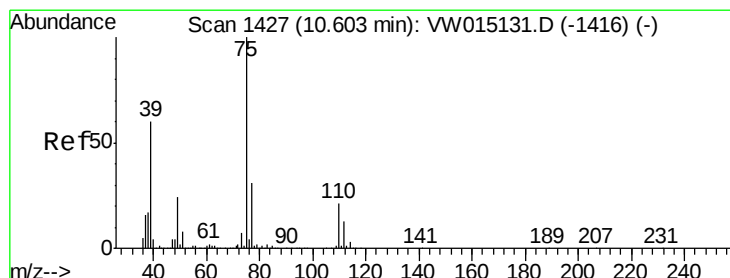
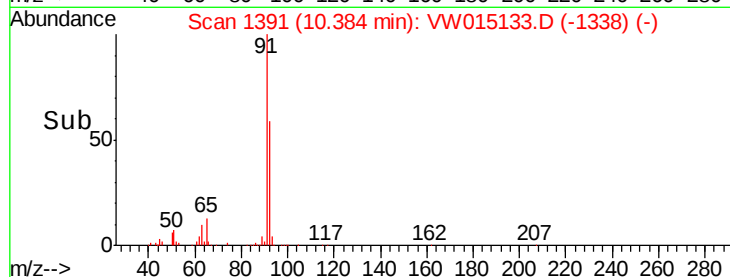
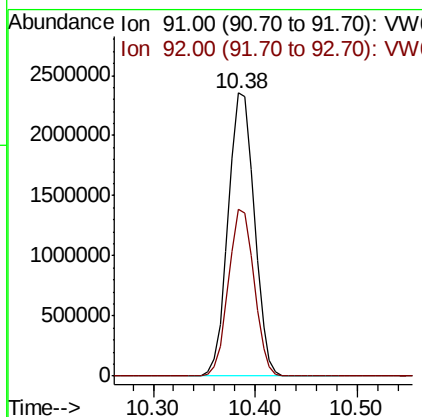
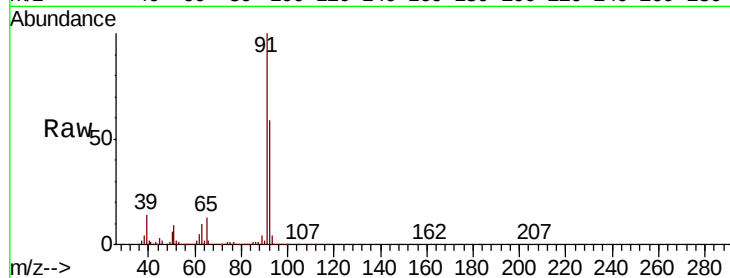
ClientSampled :

Tot Ion: 91 Resp: 4178296

Ion Ratio Lower Upper

91 100

92 58.8 40.2 74.6



#45

trans-1,3-Dichloropropene

Concen: 112.893 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW015133.D

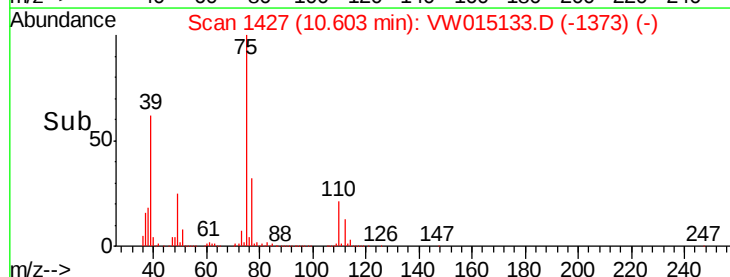
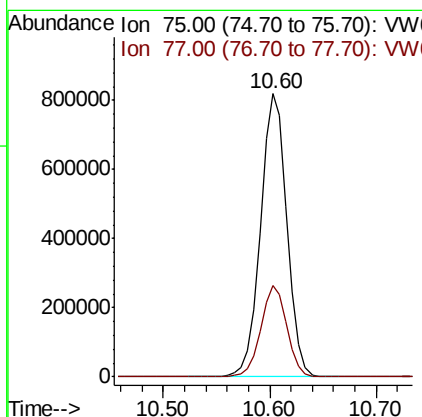
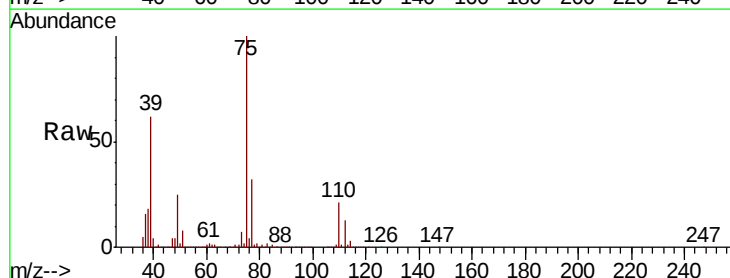
Acq: 25 Mar 2020 11:21

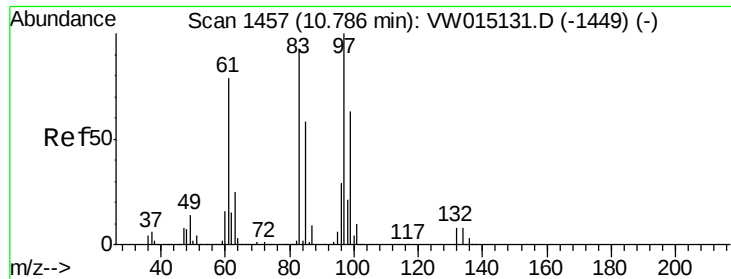
Tgt Ion: 75 Resp: 1418194

Ion Ratio Lower Upper

75 100

77 32.2 21.8 40.4

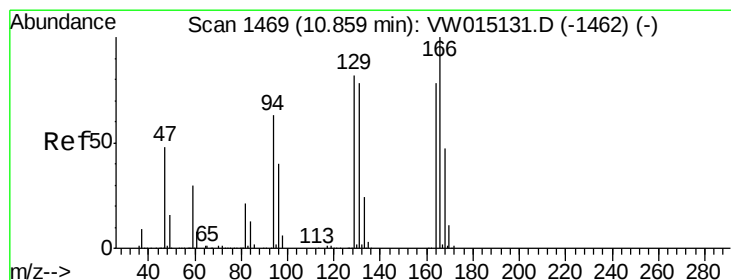
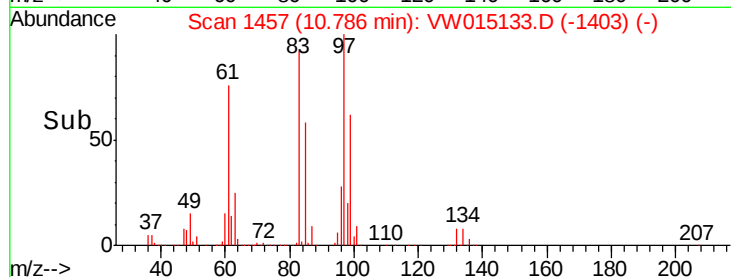
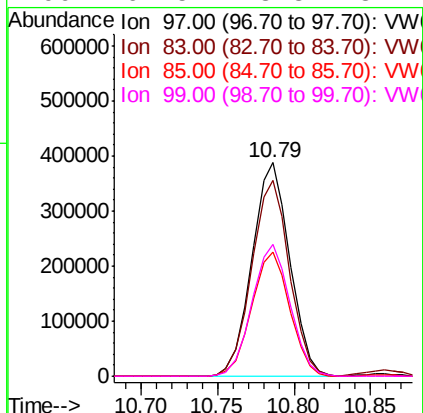
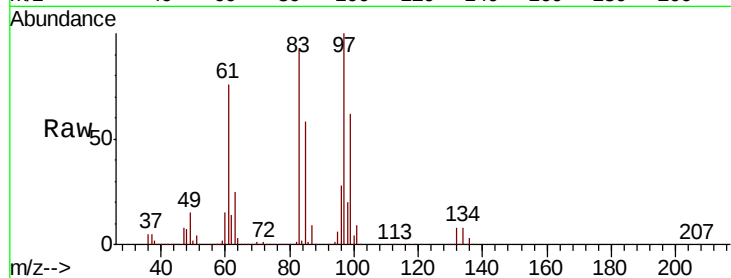




#46
1,1,2-Trichloroethane
Concen: 99.827 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. 0.00 min
Lab File: VW015133.D
Acq: 25 Mar 2020 11:21

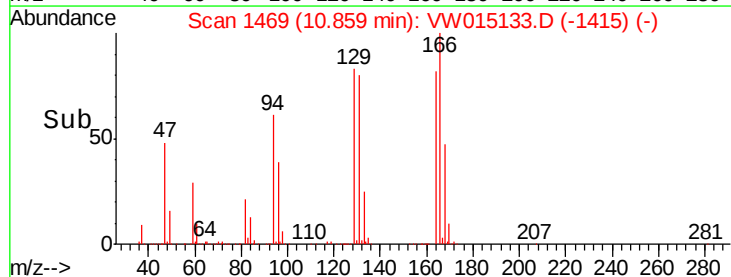
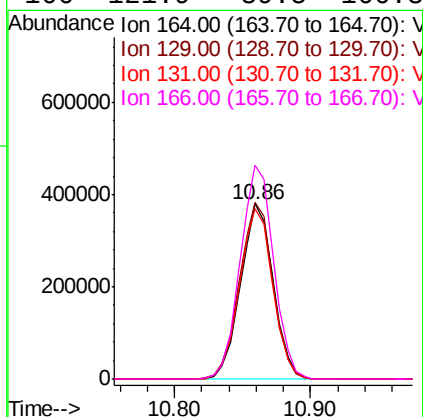
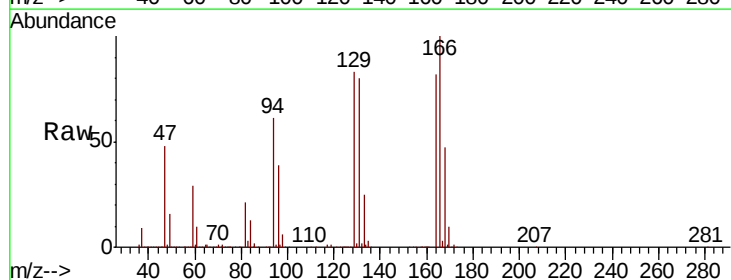
Instrument :
MSVOA_W
ClientSampleId :

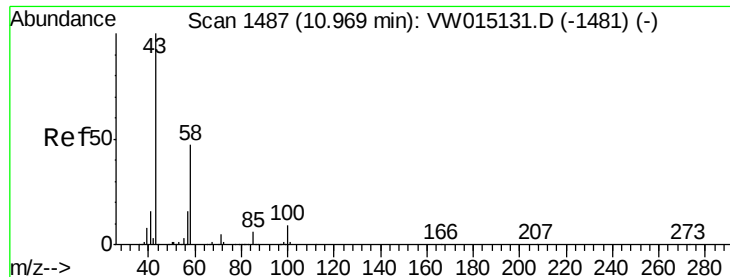
Tot Ion	Resp	Lower	Upper
97	100		
83	91.8	64.8	120.4
85	57.9	40.9	75.9
99	61.5	43.8	81.4



#47
Tetrachloroethene
Concen: 95.956 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW015133.D
Acq: 25 Mar 2020 11:21

Tgt Ion	Resp	Lower	Upper
164	100		
129	101.0	73.2	136.0
131	97.2	69.4	128.8
166	121.9	89.5	166.3



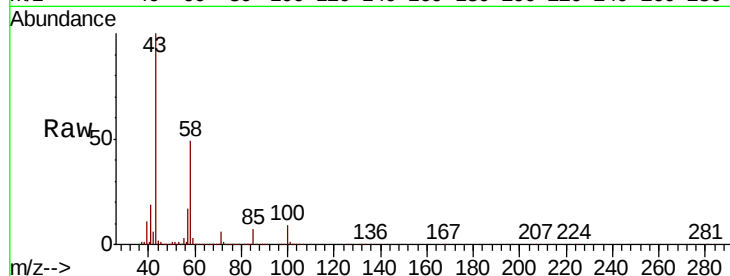


#49
2-Hexanone
Concen: 233.148 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW015133.D
Acq: 25 Mar 2020 11:21

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 1095882

Ion	Ratio	Lower	Upper
43	100		
58	48.5	38.5	57.7
57	16.8	12.9	19.3
100	8.8	6.9	10.3



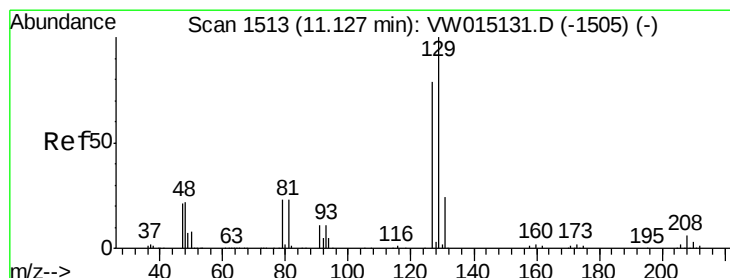
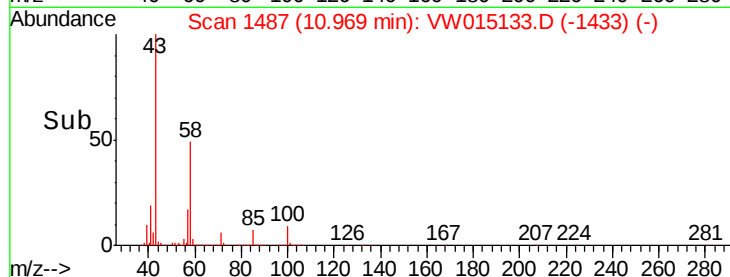
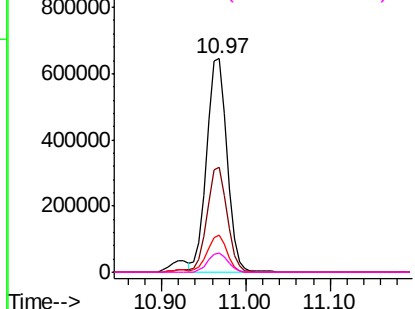
Abundance

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

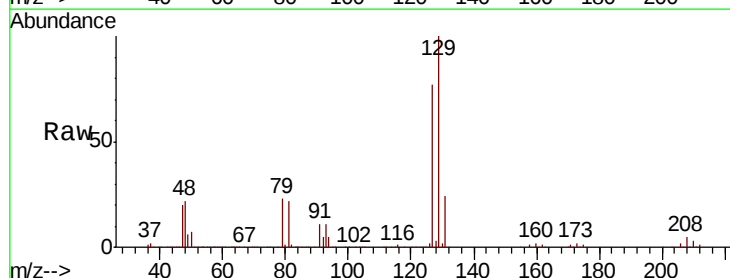
Ion 100.00 (99.70 to 100.70): VW



#50
Dibromochloromethane
Concen: 101.413 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW015133.D
Acq: 25 Mar 2020 11:21

Tgt Ion: 129 Resp: 716029

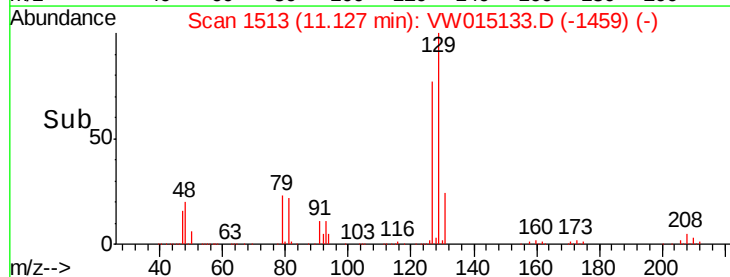
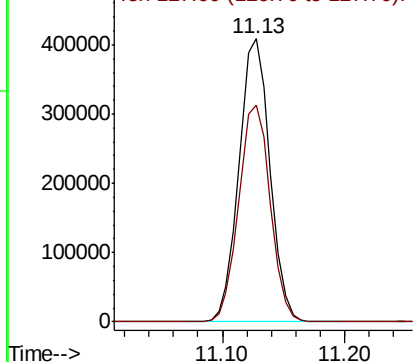
Ion	Ratio	Lower	Upper
129	100		
127	76.6	55.1	102.3

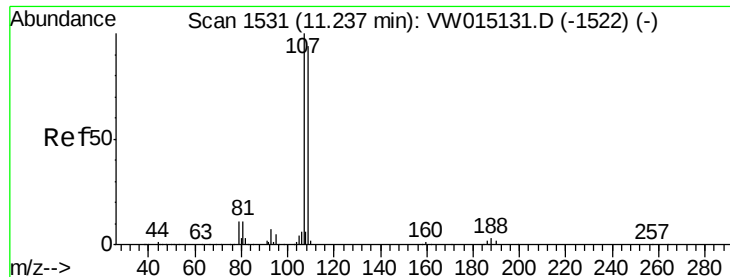


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

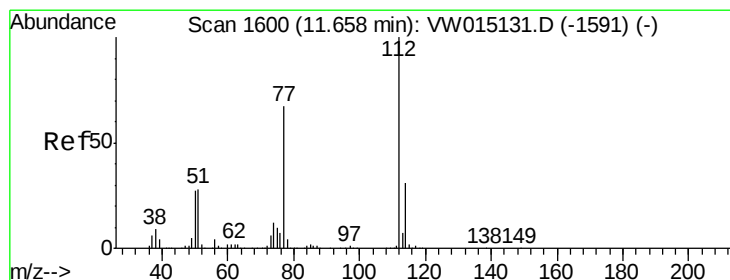
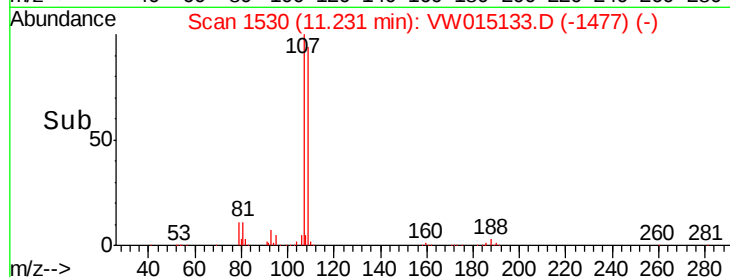
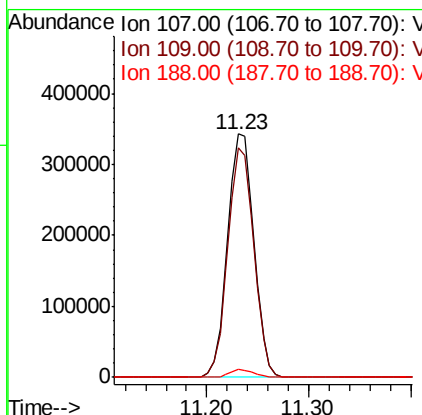
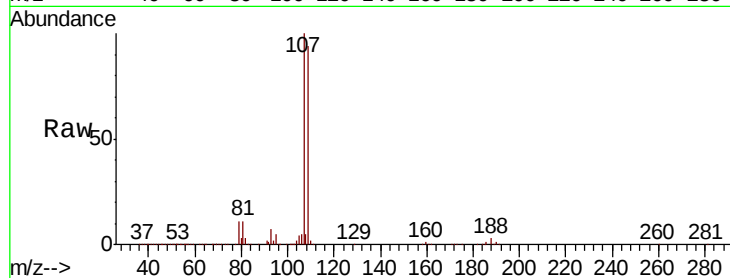




#51
 1,2-Dibromoethane
 Concen: 104.693 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW015133.D
 Acq: 25 Mar 2020 11:21

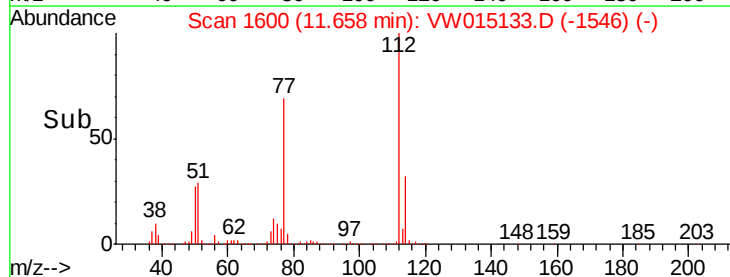
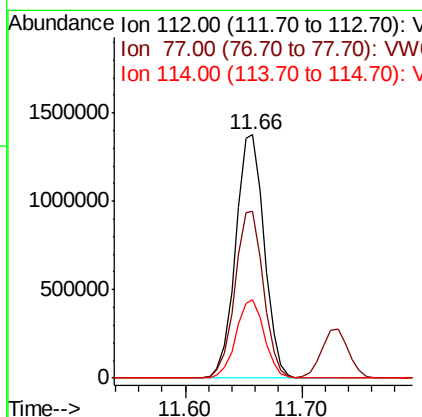
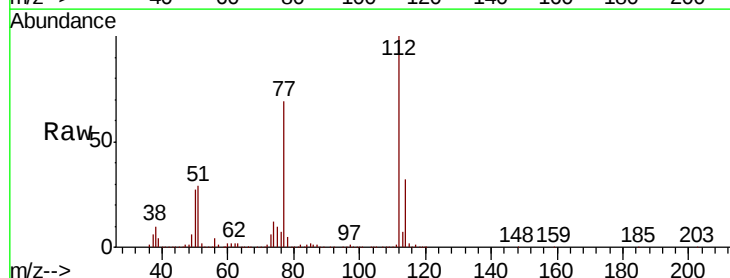
Instrument :
 MSVOA_W
 ClientSampleId :

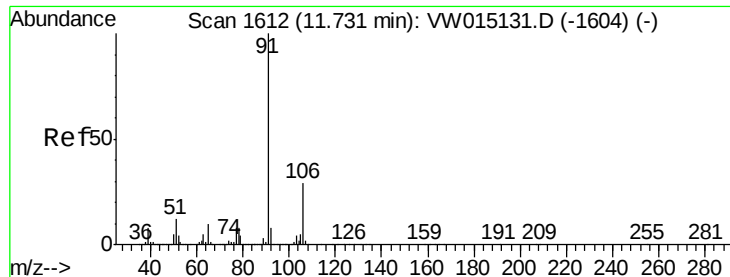
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	65.9	122.5
188	3.1	2.3	3.5



#52
 Chlorobenzene
 Concen: 97.076 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW015133.D
 Acq: 25 Mar 2020 11:21

Tgt Ion	Ratio	Lower	Upper
112	100		
77	68.6	53.5	80.3
114	32.2	22.0	40.8

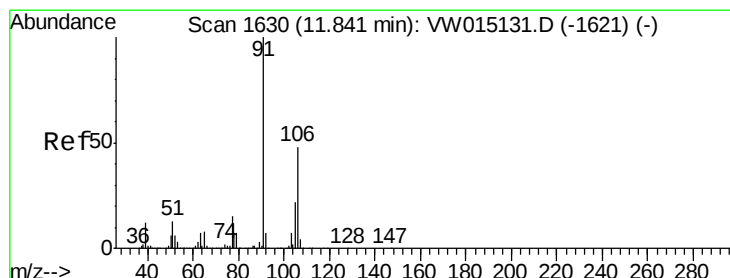
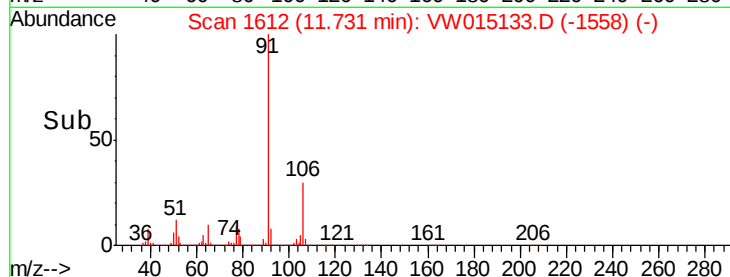
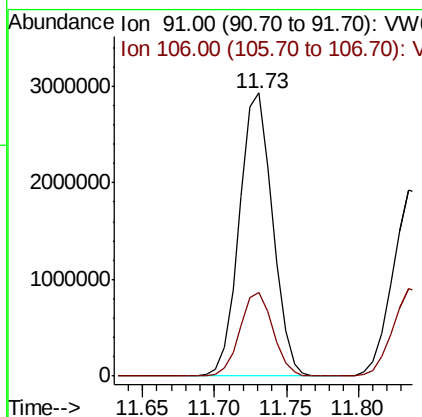
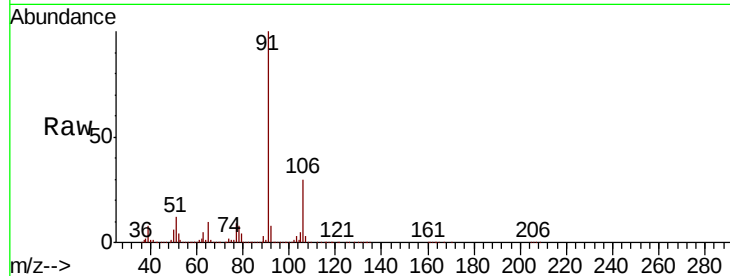




#53
Ethylbenzene
Concen: 104.072 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015133.D
Acq: 25 Mar 2020 11:21

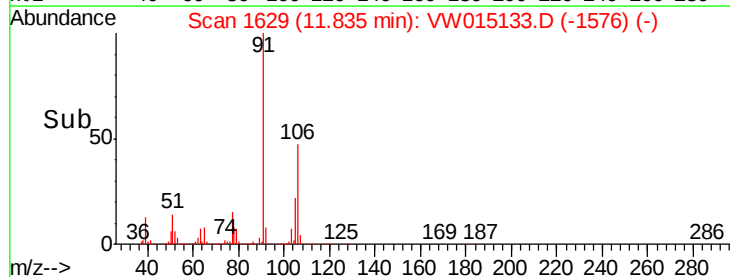
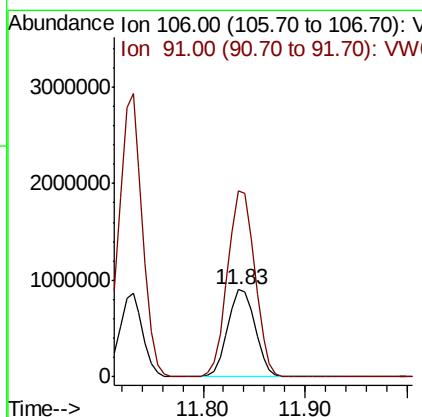
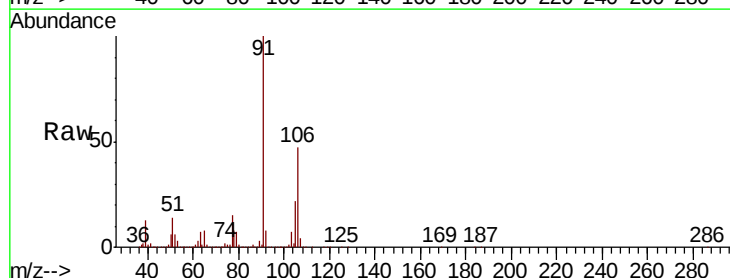
Instrument :
MSVOA_W
ClientSampleId :

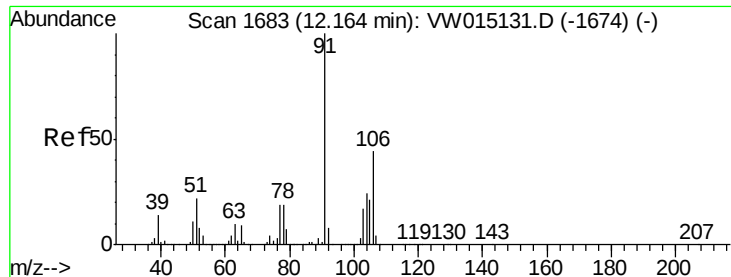
Tot Ion: 91 Resp: 4683232
Ion Ratio Lower Upper
91 100
106 29.8 20.6 38.2



#54
m,p-Xylene
Concen: 106.875 ug/L
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW015133.D
Acq: 25 Mar 2020 11:21

Tgt Ion: 106 Resp: 1679889
Ion Ratio Lower Upper
106 100
91 212.1 147.3 273.6





#55

o-xylene

Concen: 109.425 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW015133.D

Acq: 25 Mar 2020 11:21

Instrument :

MSVOA_W

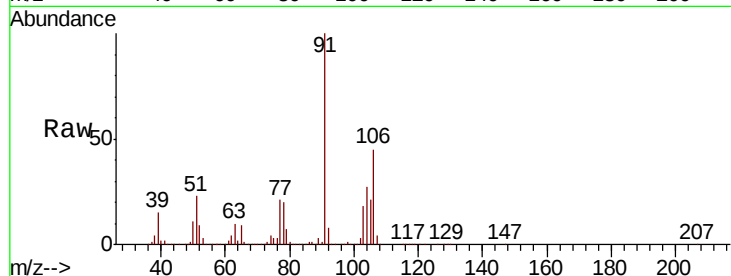
ClientSampled :

Tot Ion:106 Resp: 1608111

Ion Ratio Lower Upper

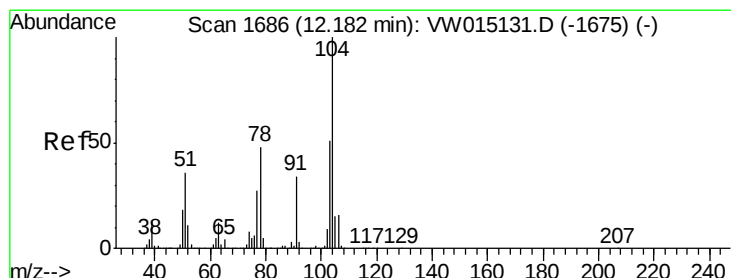
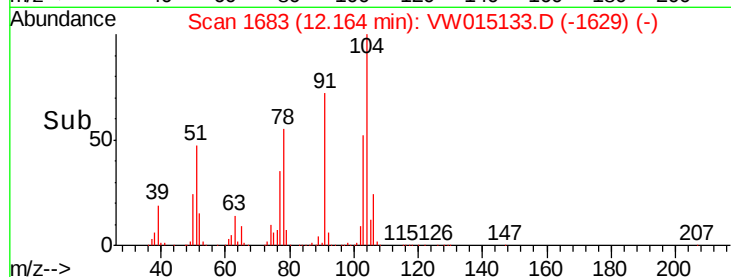
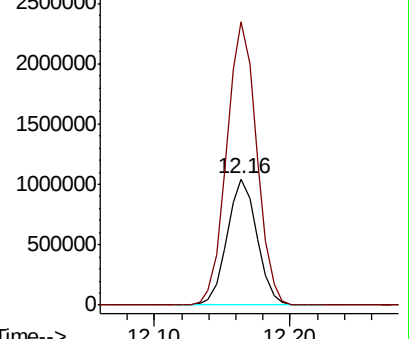
106 100

91 224.1 158.6 294.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 110.842 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VW015133.D

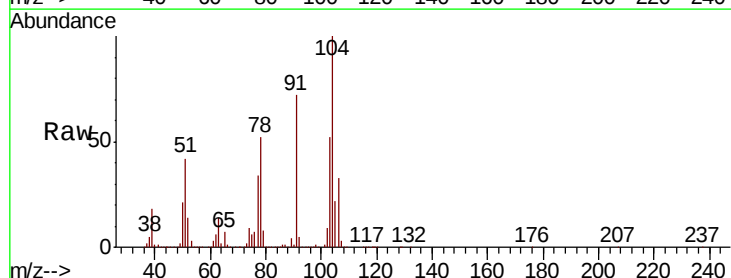
Acq: 25 Mar 2020 11:21

Tgt Ion:104 Resp: 2782574

Ion Ratio Lower Upper

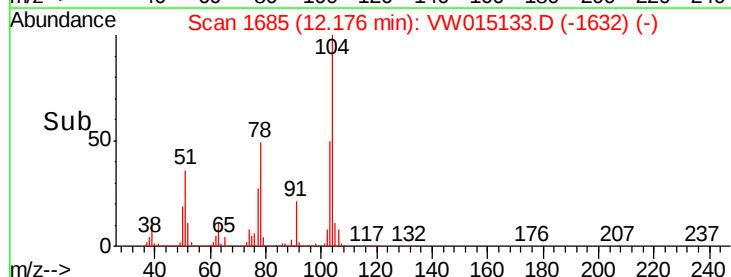
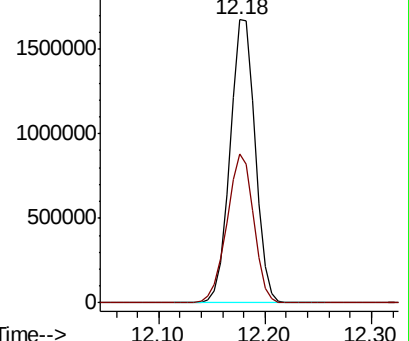
104 100

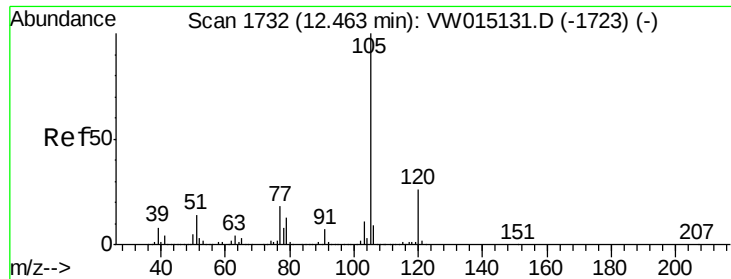
78 52.4 33.9 63.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 111.786 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015133.D

Acq: 25 Mar 2020 11:21

Instrument :

MSVOA_W

ClientSampleId :

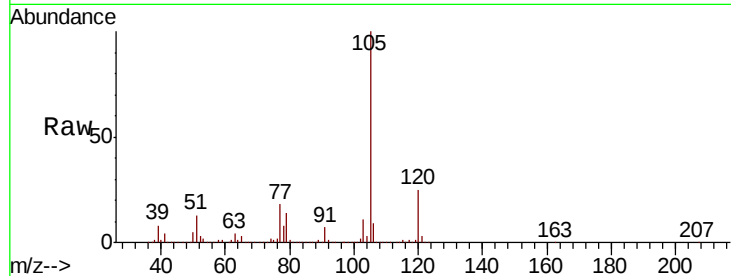
Tot Ion:105 Resp: 4476739

Ion Ratio Lower Upper

105 100

120 25.2 20.0 30.0

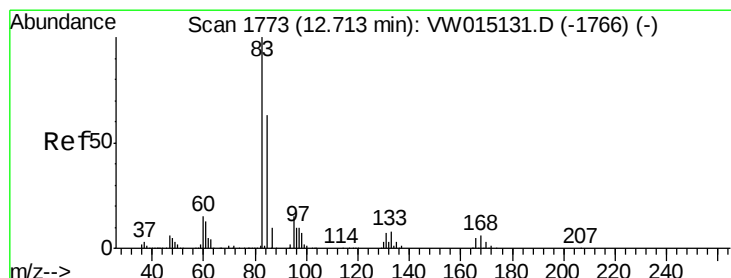
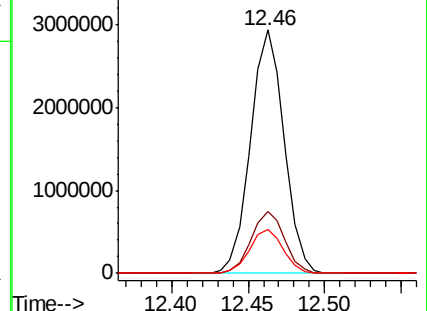
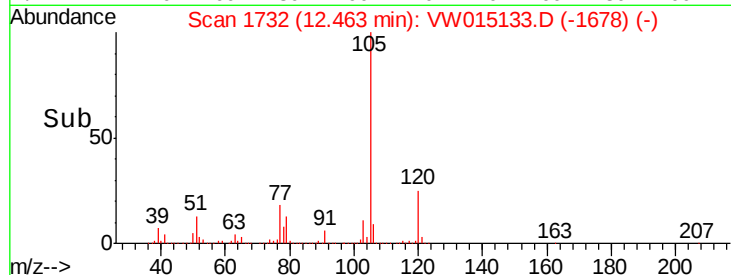
77 18.0 14.5 21.7



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: 102.208 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015133.D

Acq: 25 Mar 2020 11:21

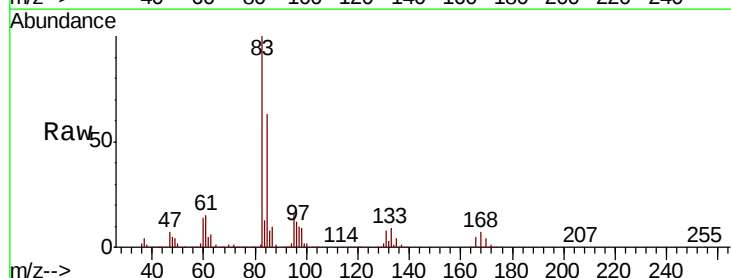
Tgt Ion: 83 Resp: 862327

Ion Ratio Lower Upper

83 100

85 63.2 44.1 81.9

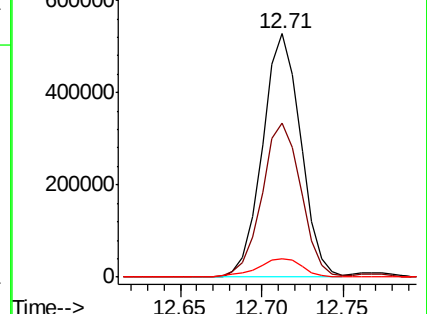
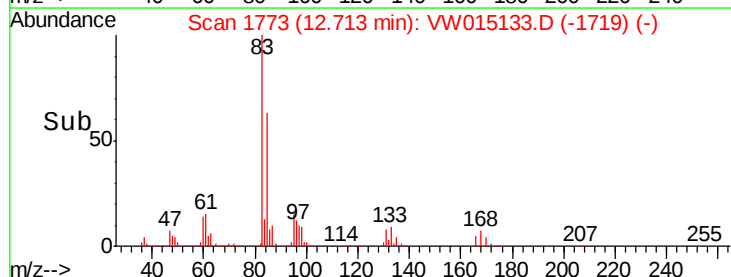
131 7.7 5.9 8.9

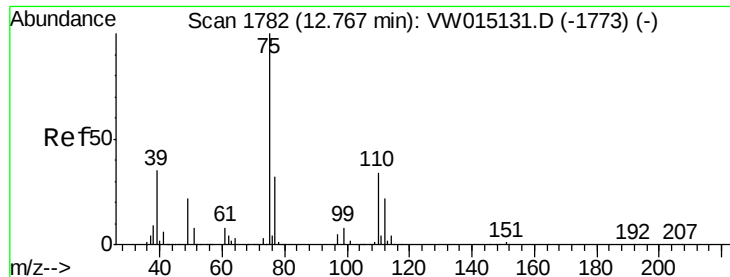


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 100.663 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW015133.D

Acq: 25 Mar 2020 11:21

Instrument :

MSVOA_W

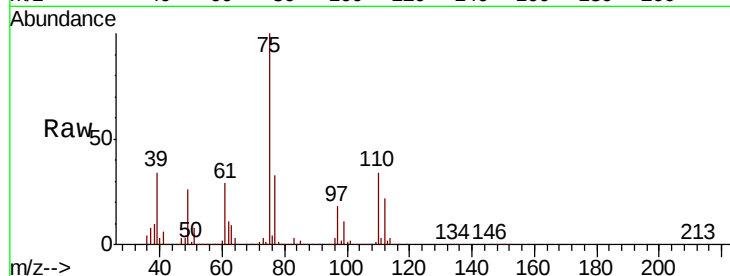
ClientSampleId :

Tot Ion: 75 Resp: 651235

Ion Ratio Lower Upper

75 100

77 31.7 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

12.77

400000

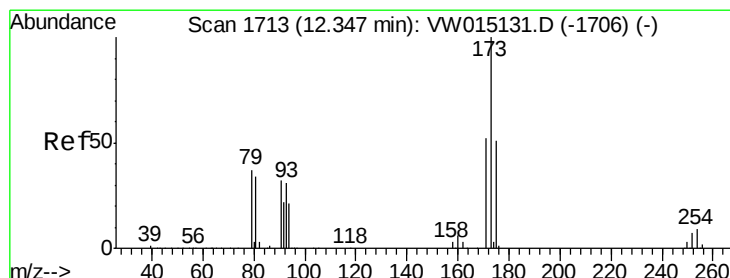
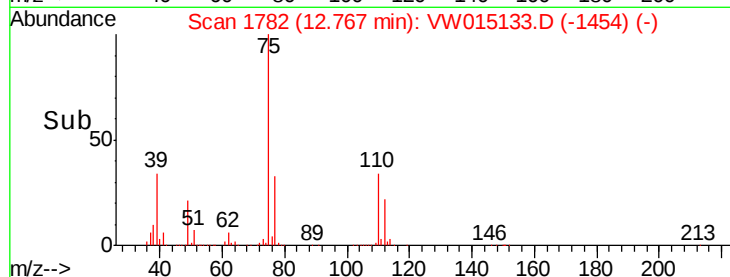
300000

200000

100000

0

Time--> 12.70 12.75 12.80



#62

Bromoform

Concen: 103.061 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW015133.D

Acq: 25 Mar 2020 11:21

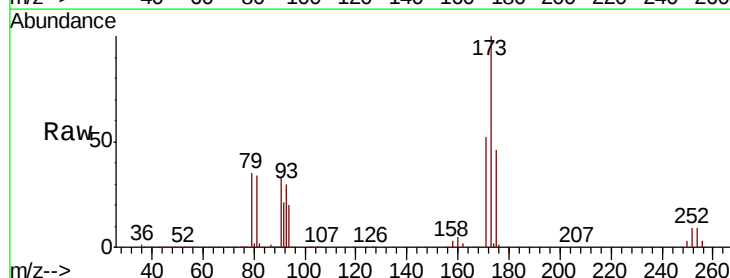
Tgt Ion:173 Resp: 373846

Ion Ratio Lower Upper

173 100

175 48.7 38.0 57.0

254 8.5 6.5 9.7



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

300000

250000

200000

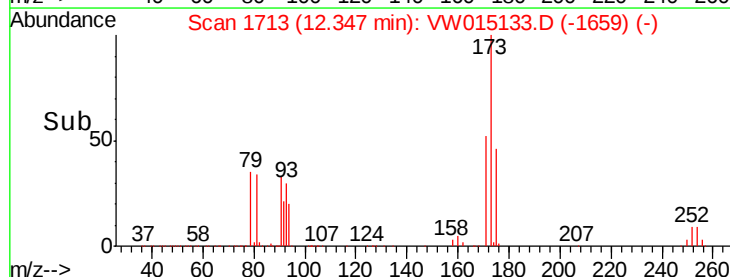
150000

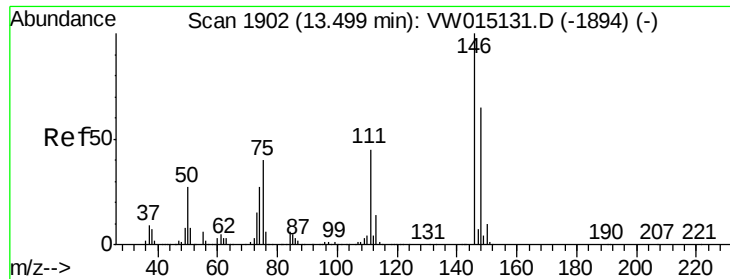
100000

50000

0

Time--> 12.25 12.30 12.35 12.40

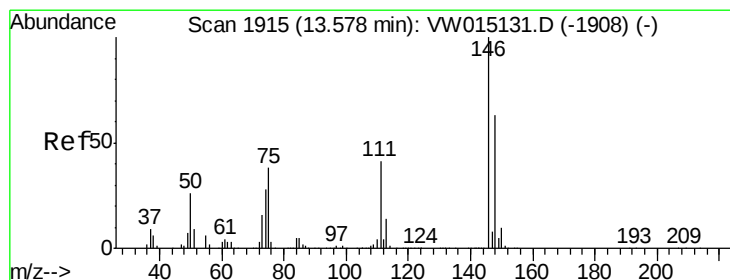
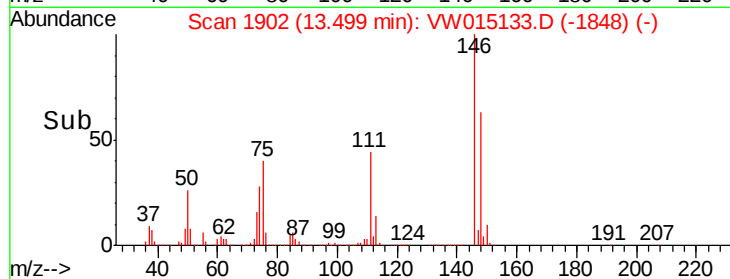
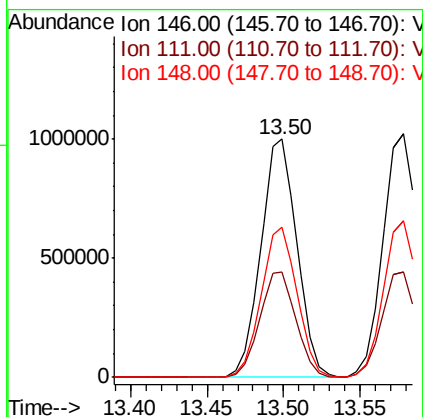
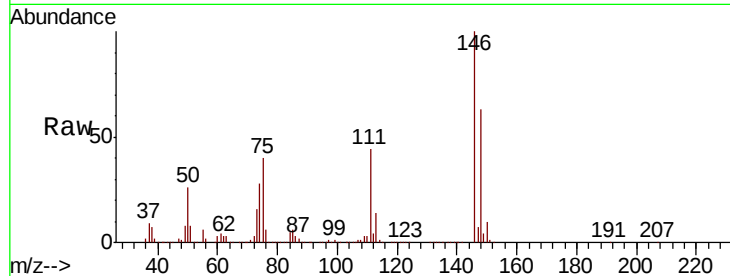




#63
 1,3-Dichlorobenzene
 Concen: 98.713 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015133.D
 Acq: 25 Mar 2020 11:21

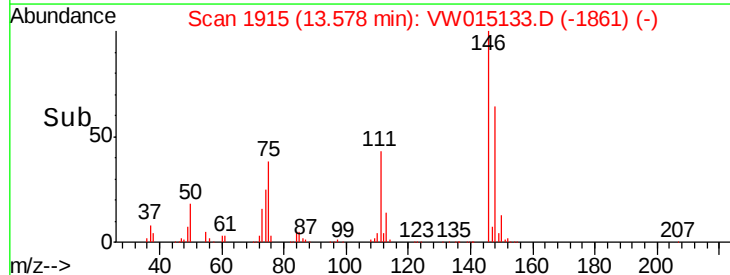
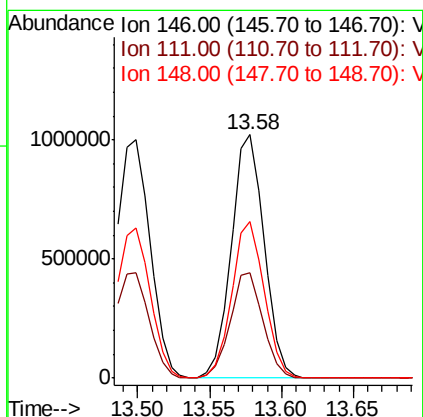
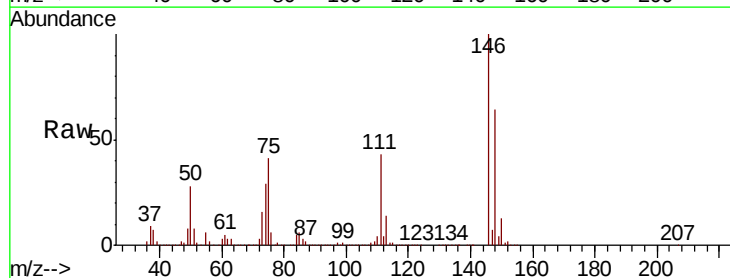
Instrument :
 MSVOA_W
 ClientSampleId :

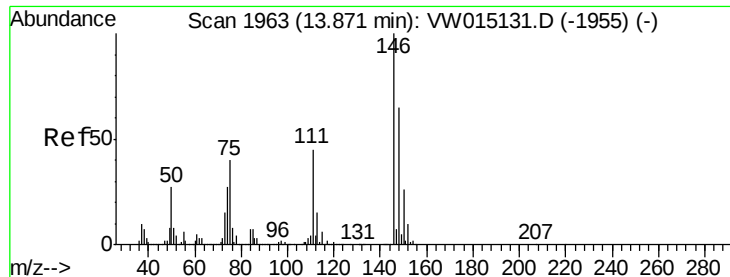
Tot Ion:146 Resp: 1643754
 Ion Ratio Lower Upper
 146 100
 111 44.2 31.9 59.2
 148 63.3 45.2 84.0



#64
 1,4-Dichlorobenzene
 Concen: 94.385 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015133.D
 Acq: 25 Mar 2020 11:21

Tgt Ion:146 Resp: 1623382
 Ion Ratio Lower Upper
 146 100
 111 43.4 28.8 53.4
 148 64.1 44.0 81.6

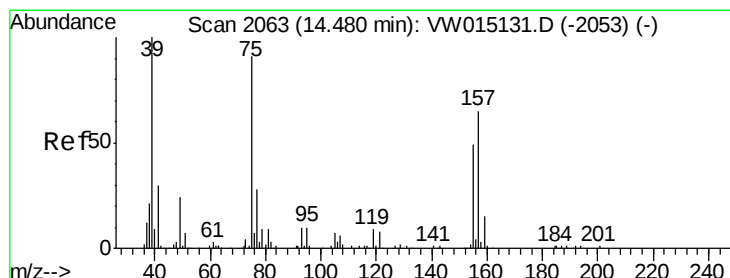
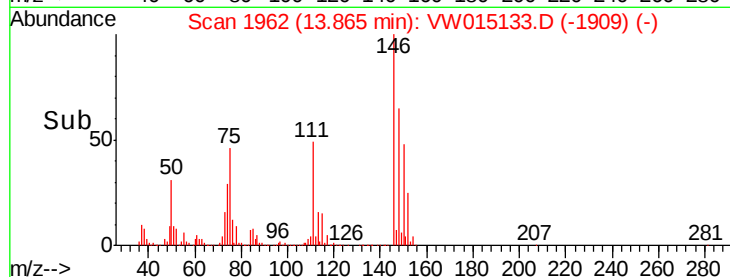
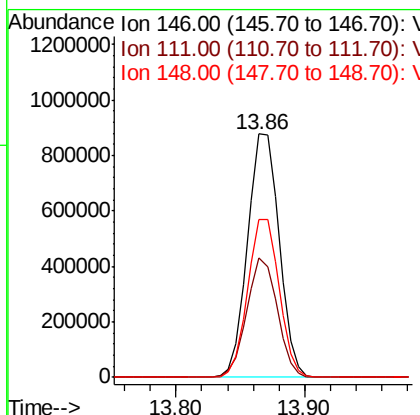
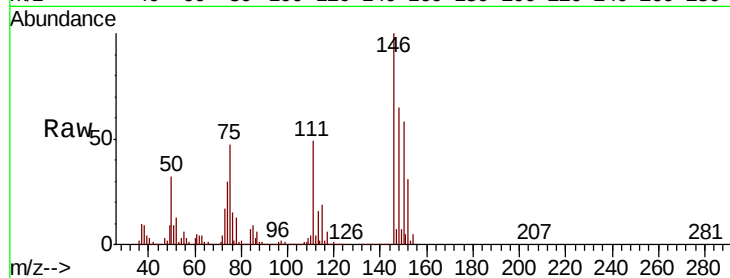




#65
 1,2-Dichlorobenzene
 Concen: 98.006 ug/L
 RT: 13.86 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW015133.D
 Acq: 25 Mar 2020 11:21

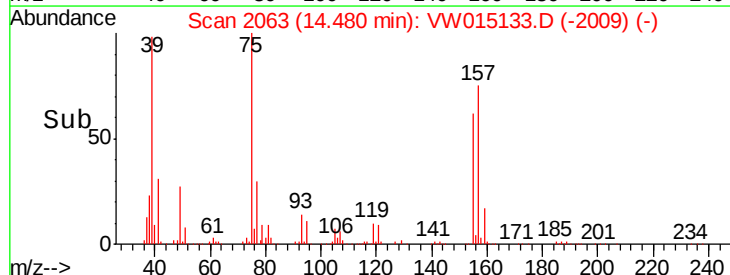
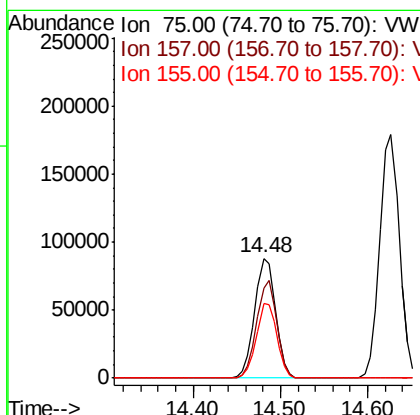
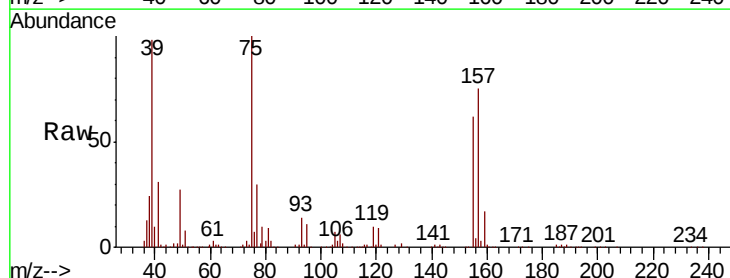
Instrument :
 MSVOA_W
 ClientSampleId :

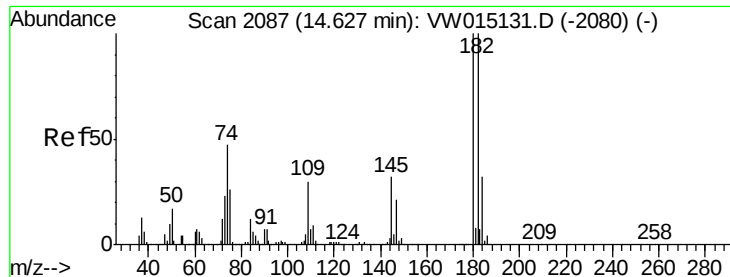
Tot Ion:146 Resp: 1483555
 Ion Ratio Lower Upper
 146 100
 111 48.8 35.8 53.8
 148 64.9 52.3 78.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 108.577 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW015133.D
 Acq: 25 Mar 2020 11:21

Tgt Ion: 75 Resp: 146468
 Ion Ratio Lower Upper
 75 100
 157 75.4 57.3 85.9
 155 62.1 43.2 64.8

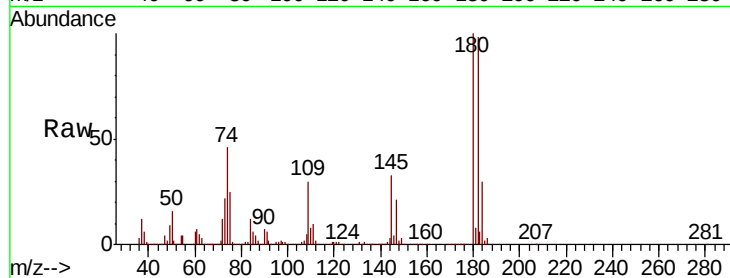




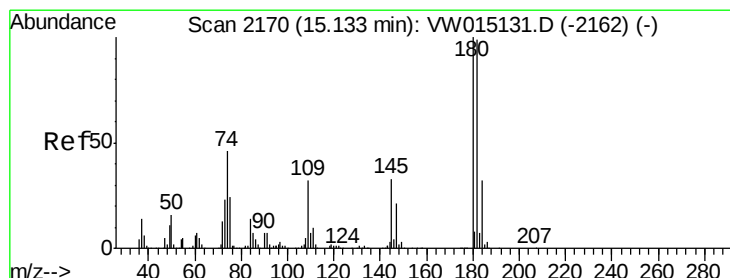
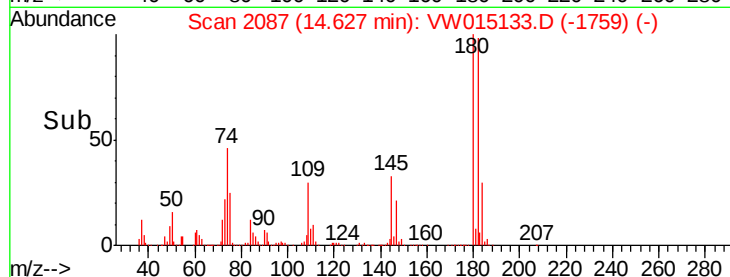
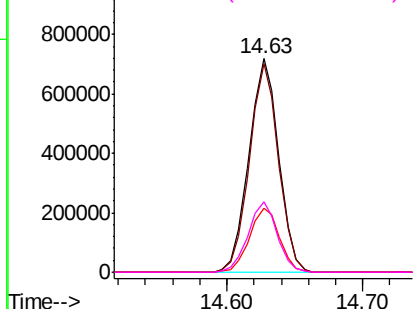
#67
 1,3,5-Trichlorobenzene
 Concen: 99.838 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW015133.D
 Acq: 25 Mar 2020 11:21

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180 Resp: 1101514
 Ion Ratio Lower Upper
 180 100
 182 95.5 77.0 115.6
 184 30.3 24.0 36.0
 145 32.3 25.4 38.2

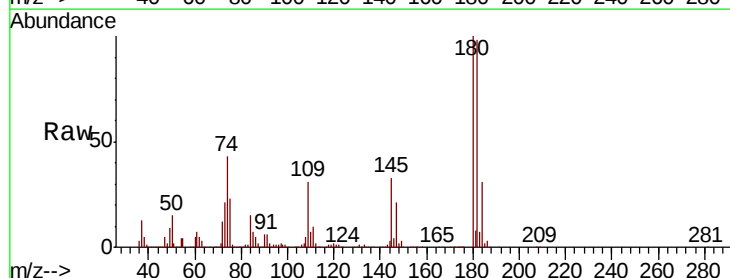


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

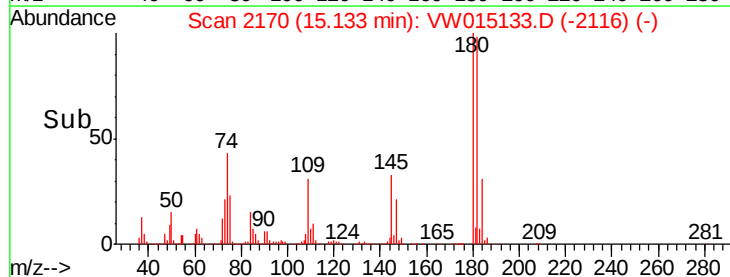
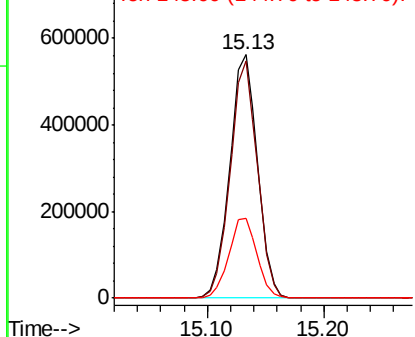


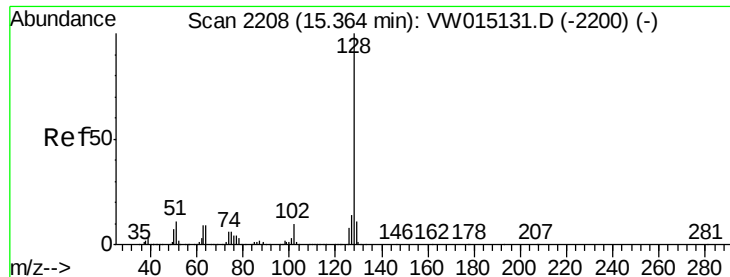
#68
 1,2,4-trichlorobenzene
 Concen: 114.256 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015133.D
 Acq: 25 Mar 2020 11:21

Tgt Ion:180 Resp: 930979
 Ion Ratio Lower Upper
 180 100
 182 95.2 75.8 113.6
 145 33.1 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: 232.838 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW015133.D

Acq: 25 Mar 2020 11:21

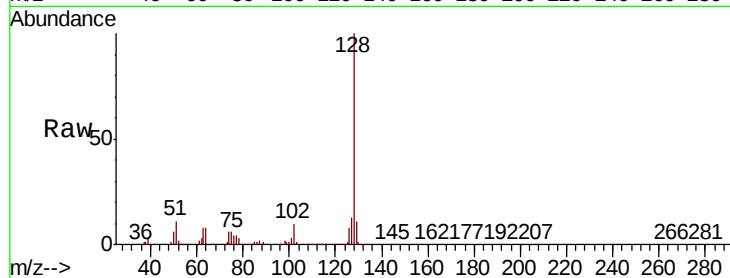
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:128 Resp: 2143176

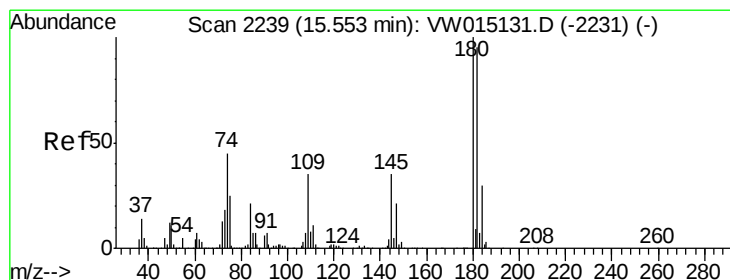
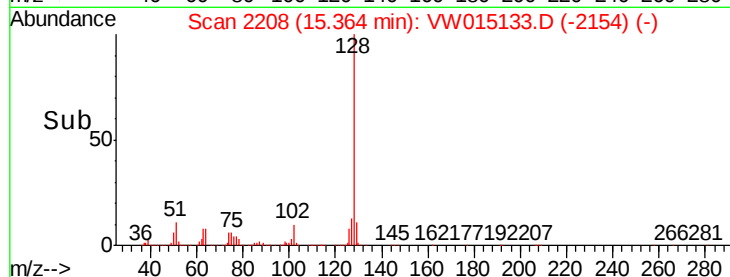
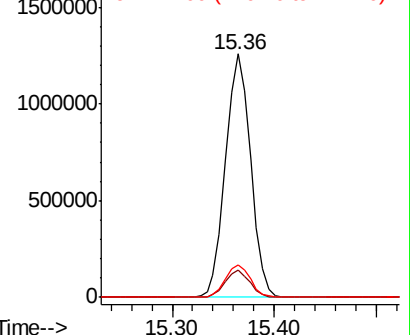
Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.9	13.3
127	13.3	11.0	16.4



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: 115.915 ug/L

RT: 15.55 min Scan# 2239

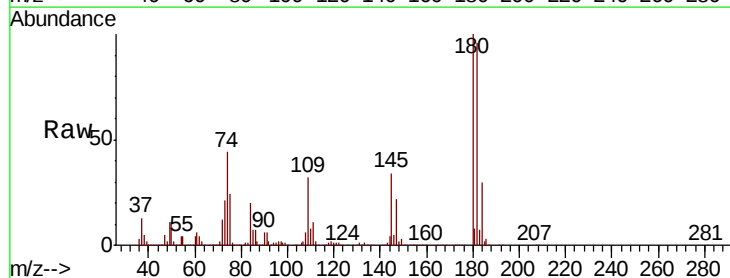
Delta R.T. -0.00 min

Lab File: VW015133.D

Acq: 25 Mar 2020 11:21

Tgt Ion:180 Resp: 850338

Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.9	113.9
145	34.9	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

