

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032520\
 Data File : VW015132.D
 Acq On : 25 Mar 2020 10:55
 Operator : SY/VA
 Sample : VSTD05005
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 25 14:01:08 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	626332	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	577209	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	250521	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	523119	35.75	ug/L	0.00
7) Chloroethane-d5	2.89	69	447859	41.59	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	1089886	46.24	ug/L	0.00
20) 2-Butanone-d5	7.07	46	271177	106.61	ug/L	0.00
24) Chloroform-d	7.65	84	936111	47.15	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	532603	47.74	ug/L	0.00
29) Benzene-d6	8.27	84	1867408	48.99	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	619618	48.54	ug/L	0.00
37) Toluene-d8	10.32	98	1663578	52.33	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	246355	51.99	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	206743	120.58	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	422156	50.56	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	439592	49.57	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	242612	46.106	ug/L 96
3) Chloromethane	2.21	50	399297	34.304	ug/L 100
5) Vinyl chloride	2.37	62	581504	38.343	ug/L 100
6) Bromomethane	2.78	94	319691	45.286	ug/L 100
8) Chloroethane	2.92	64	365178	43.284	ug/L 99
9) Trichlorofluoromethane	3.26	101	354160	50.075	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	469097	48.056	ug/L 100
12) 1,1-Dichloroethene	4.04	96	457426	49.383	ug/L 98
13) Acetone	4.12	43	209317	73.595	ug/L 100
14) Carbon disulfide	4.39	76	1667823	47.701	ug/L 100
15) Methyl Acetate	4.67	43	249525	48.216	ug/L 99
16) Methylene chloride	4.92	84	487896	42.509	ug/L 98
17) Methyl tert-butyl Ether	5.43	73	639217	55.968	ug/L 100
18) trans-1,2-Dichloroethene	5.42	96	479615	49.925	ug/L 99
19) 1,1-Dichloroethane	6.21	63	1016880	47.694	ug/L 96
21) 2-Butanone	7.17	43	323520	92.742	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	493998	50.828	ug/L 96
23) Bromochloromethane	7.51	128	192508	50.359	ug/L 97
25) Chloroform	7.67	83	918848	47.384	ug/L 100
27) 1,2-Dichloroethane	8.40	62	655956	49.007	ug/L 99
30) Cyclohexane	7.95	56	1013413	53.305	ug/L 99
31) 1,1,1-Trichloroethane	7.87	97	728689	49.084	ug/L 99
32) Carbon tetrachloride	8.07	117	638052	48.207	ug/L 100
34) Benzene	8.32	78	2121696	49.973	ug/L 100
35) Trichloroethene	9.09	95	506460	48.933	ug/L 98
36) Methylcyclohexane	9.34	83	940933	53.347	ug/L 99
40) 1,2-Dichloropropane	9.37	63	578655	49.092	ug/L 100
41) Bromodichloromethane	9.64	83	660806	49.680	ug/L 99
42) cis-1,3-Dichloropropene	10.07	75	829676	54.055	ug/L 98
43) 4-Methyl-2-pentanone	10.21	43	726668	109.754	ug/L 100

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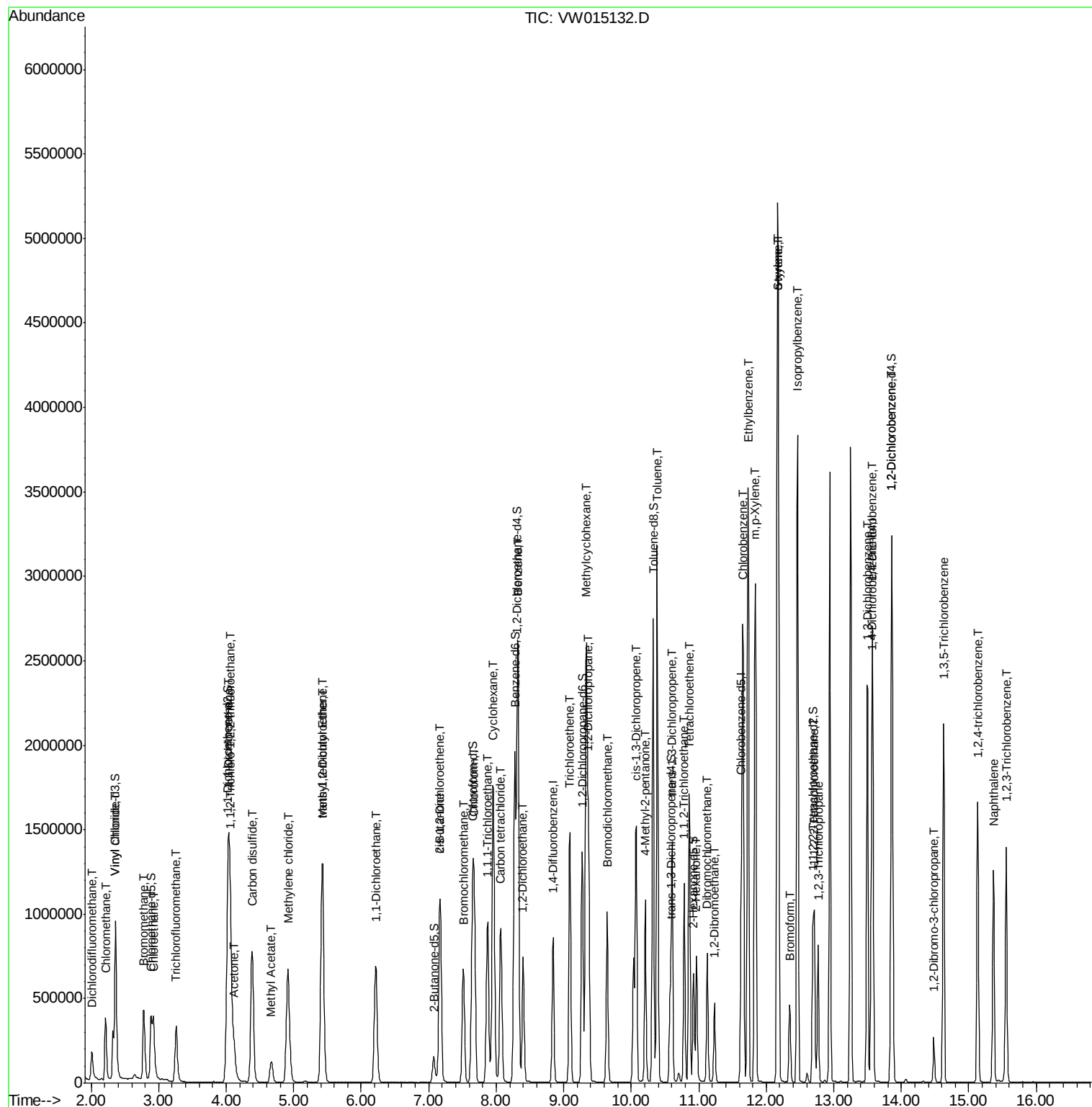
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.38	91	2198140	53.185	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	716173	56.678	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	338874	50.443	ug/L	99
47) Tetrachloroethene	10.86	164	327655	49.261	ug/L	95
49) 2-Hexanone	10.96	43	508537	107.560	ug/L	99
50) Dibromochloromethane	11.13	129	364959	51.389	ug/L	99
51) 1,2-Dibromoethane	11.23	107	308410	52.616	ug/L	99
52) Chlorobenzene	11.66	112	1217008	49.935	ug/L	98
53) Ethylbenzene	11.73	91	2423208	53.535	ug/L	99
54) m,p-Xylene	11.84	106	857006	54.206	ug/L	97
55) o-xylene	12.16	106	821452	55.571	ug/L	98
56) Styrene	12.18	104	1414342	56.011	ug/L	96
57) Isopropylbenzene	12.46	105	2249444	55.842	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	434550	51.206	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	327297	50.297	ug/L	98
62) Bromoform	12.35	173	184693	52.350	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	834492	51.526	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	824888	49.311	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	757463	51.449	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	67956	51.795	ug/L	90
67) 1,3,5-Trichlorobenzene	14.63	180	525118	48.936	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	437434	55.197	ug/L	100
69) Naphthalene	15.36	128	933493	104.273	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	396939	55.633	ug/L	98

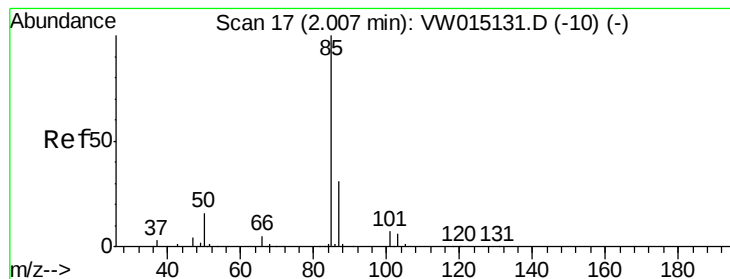
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
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#2

Dichlorodifluoromethane

Concen: 46.106 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW015132.D

Acq: 25 Mar 2020 10:55

Instrument :

MSVOA_W

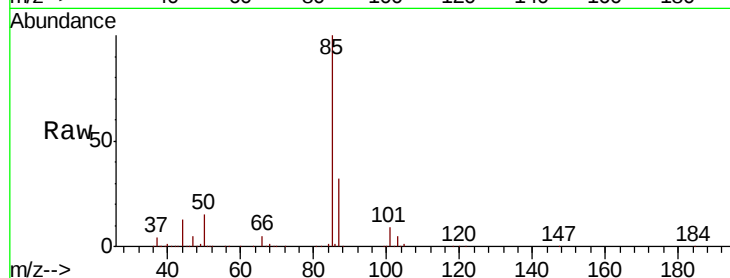
ClientSampled :

Tot Ion: 85 Resp: 242612

Ion Ratio Lower Upper

85 100

87 31.4 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

100000

80000

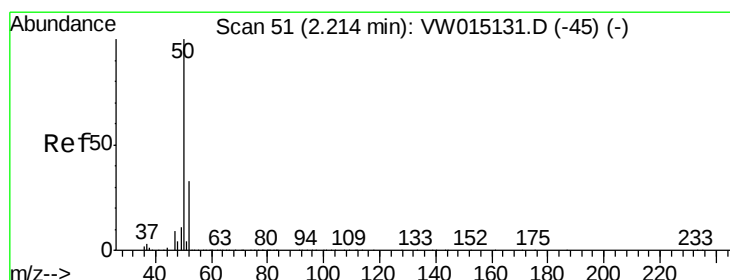
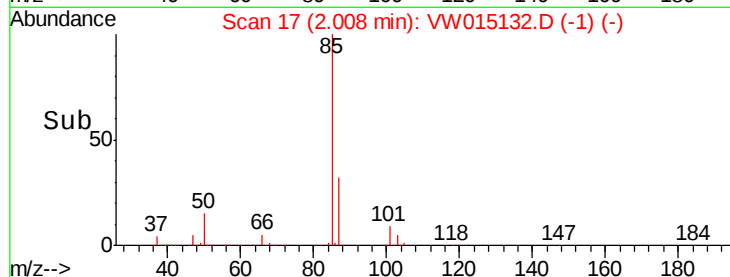
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 34.304 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015132.D

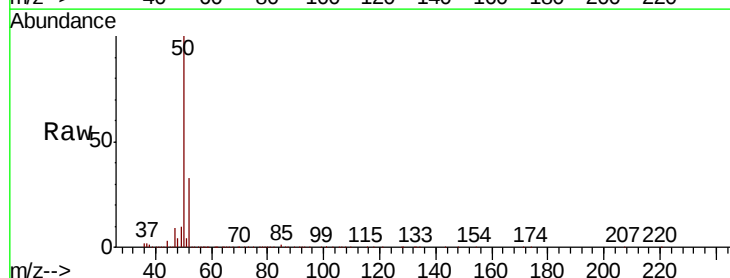
Acq: 25 Mar 2020 10:55

Tgt Ion: 50 Resp: 399297

Ion Ratio Lower Upper

50 100

52 33.0 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

250000

200000

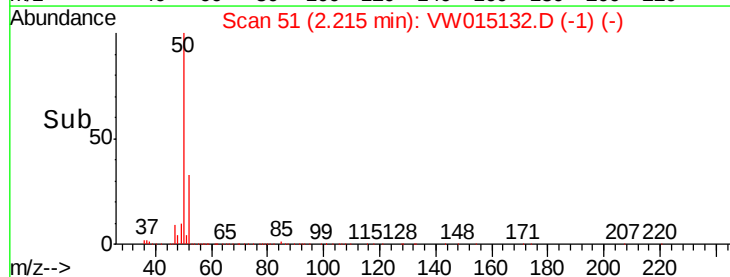
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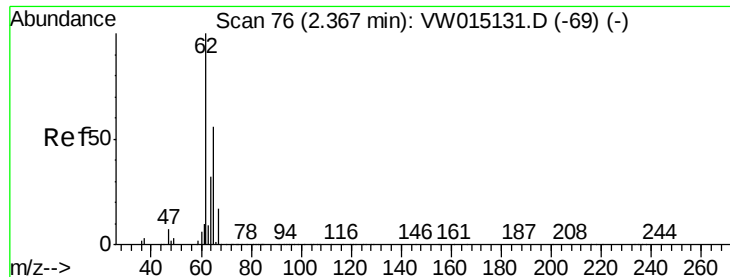
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Time-->

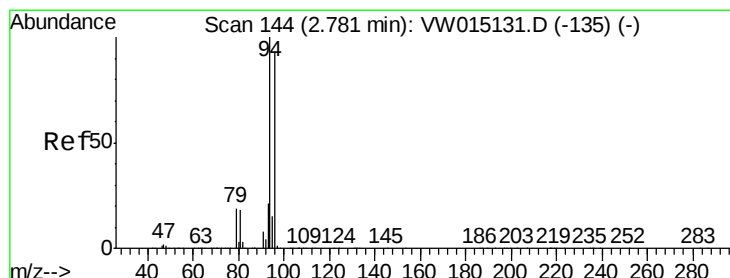
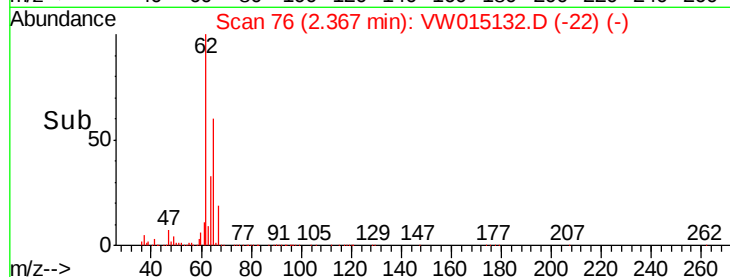
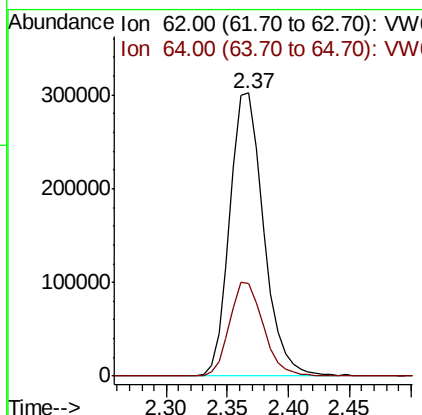
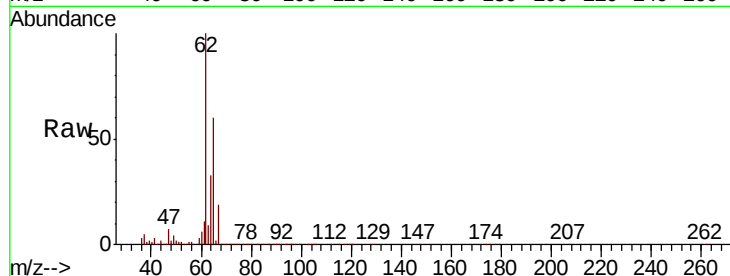




#5
 Vinyl chloride
 Concen: 38.343 ug/L
 RT: 2.37 min Scan# 76
 Delta R.T. 0.00 min
 Lab File: VW015132.D
 Acq: 25 Mar 2020 10:55

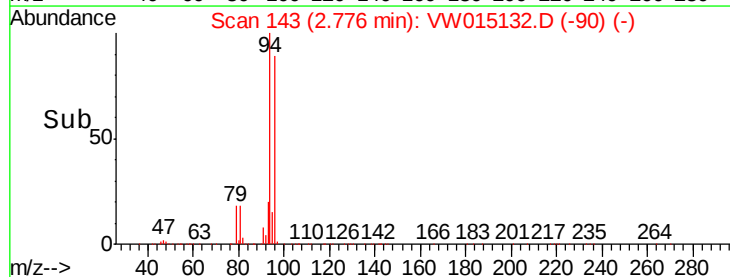
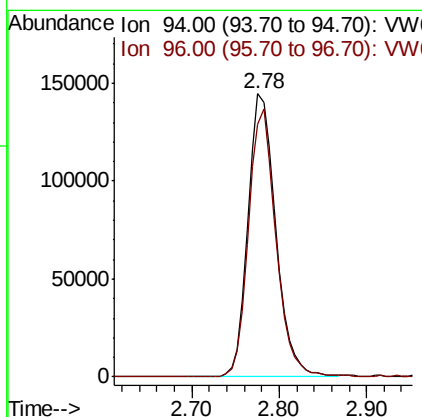
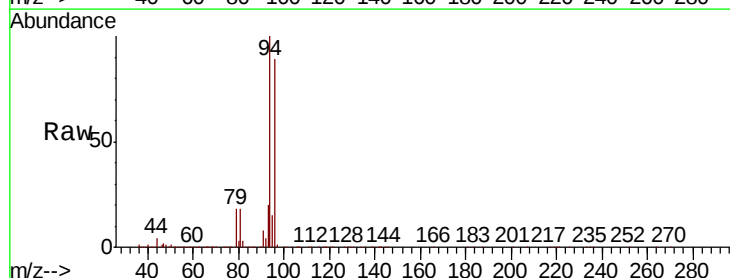
Instrument :
 MSVOA_W
 ClientSampleId :

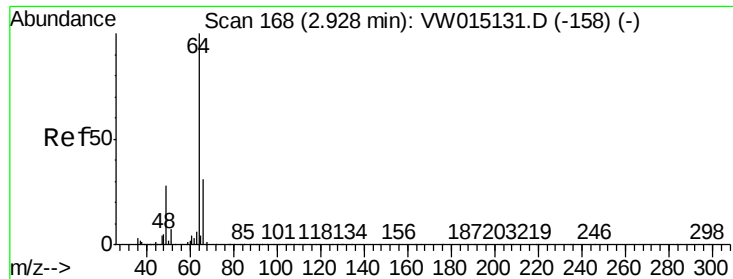
Tot Ion: 62 Resp: 581504
 Ion Ratio Lower Upper
 62 100
 64 32.7 22.7 42.3



#6
 Bromomethane
 Concen: 45.286 ug/L
 RT: 2.78 min Scan# 143
 Delta R.T. -0.01 min
 Lab File: VW015132.D
 Acq: 25 Mar 2020 10:55

Tgt Ion: 94 Resp: 319691
 Ion Ratio Lower Upper
 94 100
 96 92.9 9.3 177.3





#8

Chloroethane

Concen: 43.284 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW015132.D

Acq: 25 Mar 2020 10:55

Instrument :

MSVOA_W

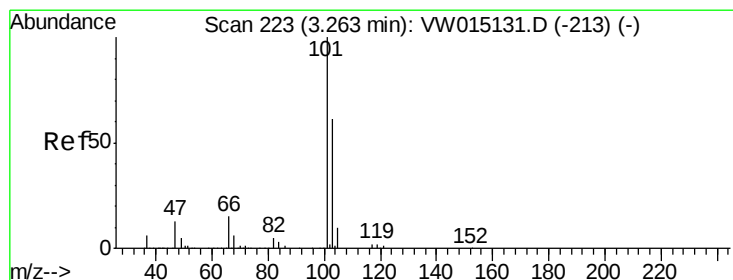
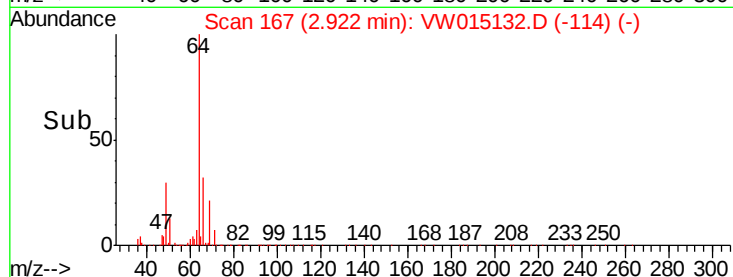
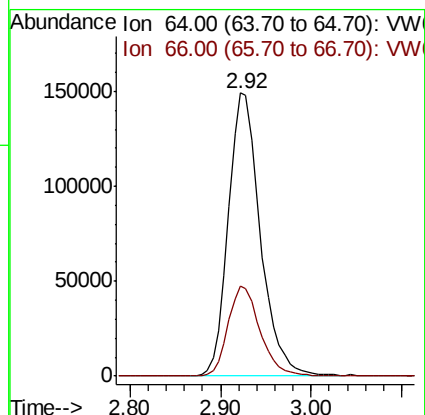
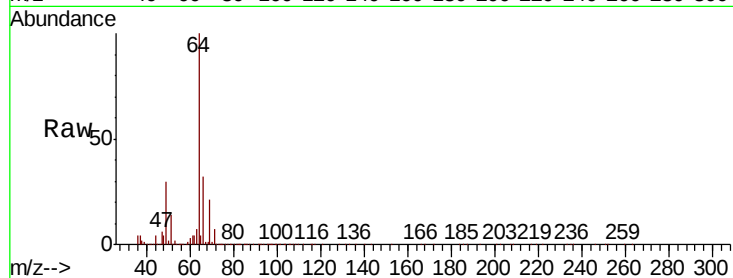
ClientSampleId :

Tot Ion: 64 Resp: 365178

Ion Ratio Lower Upper

64 100

66 31.8 21.8 40.6



#9

Trichlorofluoromethane

Concen: 50.075 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

Lab File: VW015132.D

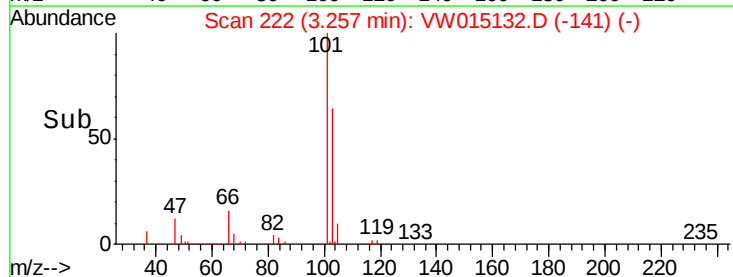
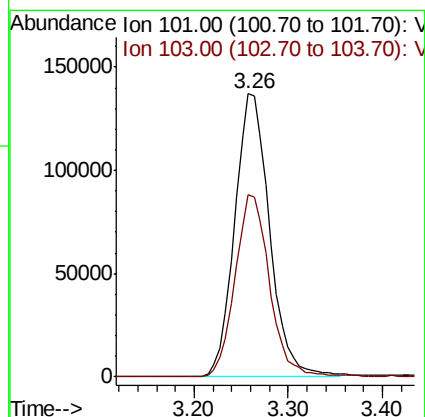
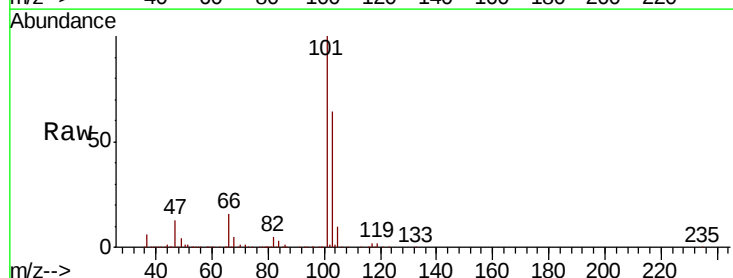
Acq: 25 Mar 2020 10:55

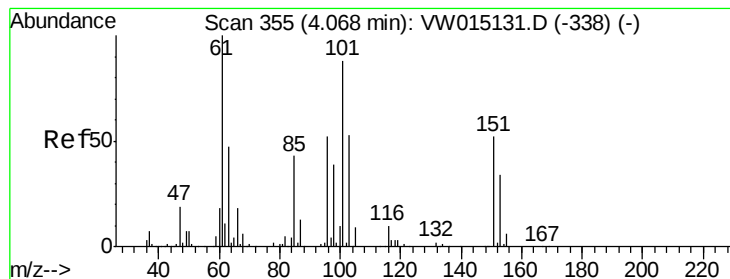
Tgt Ion: 101 Resp: 354160

Ion Ratio Lower Upper

101 100

103 63.7 43.8 81.4





#11

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

Concen: 48.056 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW015132.D

Acq: 25 Mar 2020 10:55

Instrument :

MSVOA_W

ClientSampleId :

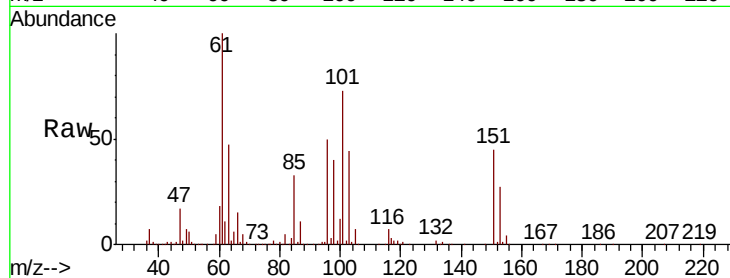
Tot Ion:101 Resp: 469097

Ion Ratio Lower Upper

101 100

85 47.0 37.8 56.6

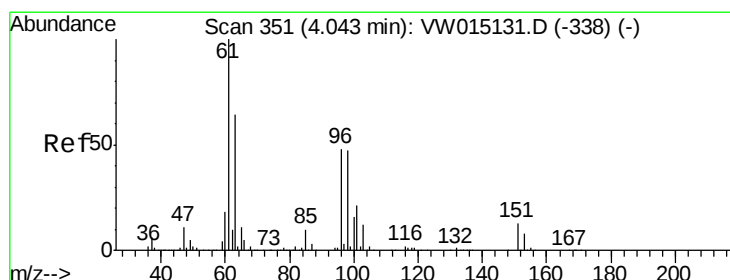
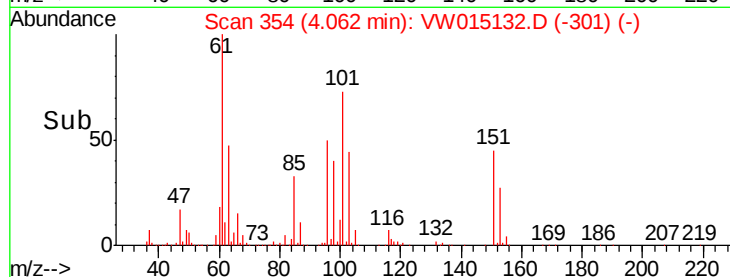
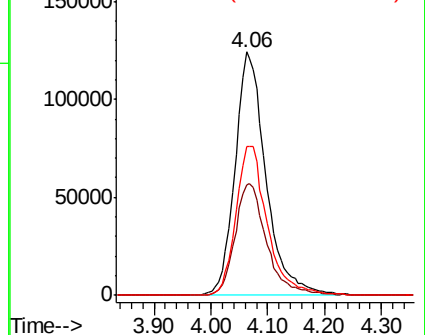
151 62.5 50.2 75.4



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: 49.383 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW015132.D

Acq: 25 Mar 2020 10:55

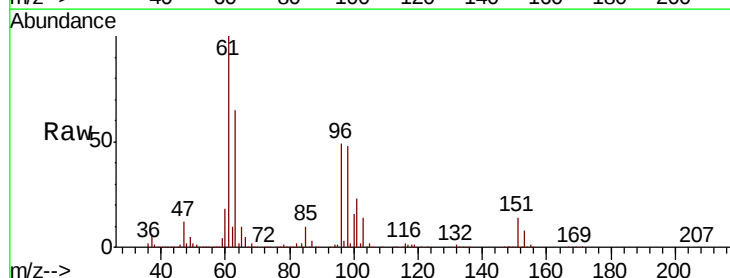
Tgt Ion: 96 Resp: 457426

Ion Ratio Lower Upper

96 100

61 206.0 146.2 271.4

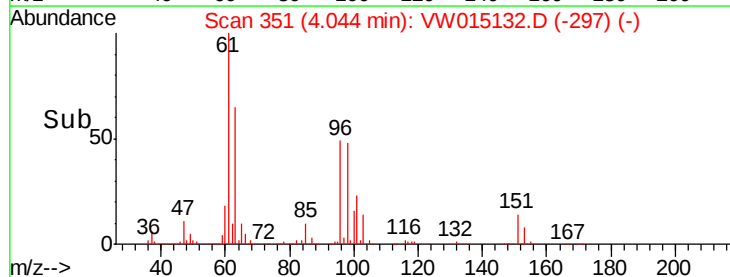
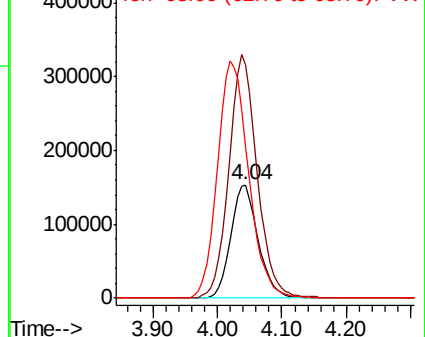
63 133.3 95.0 176.4

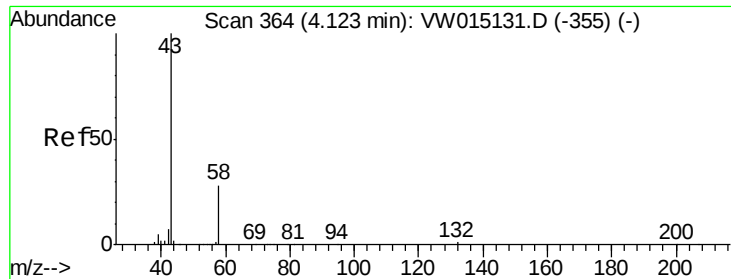


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

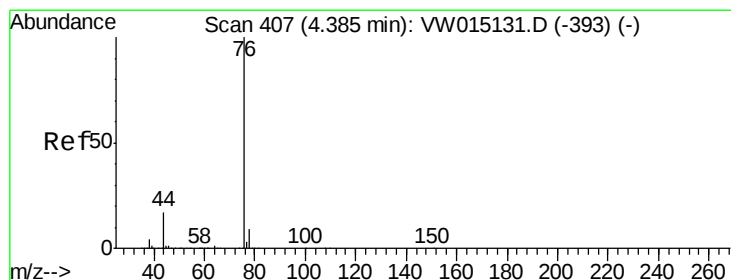
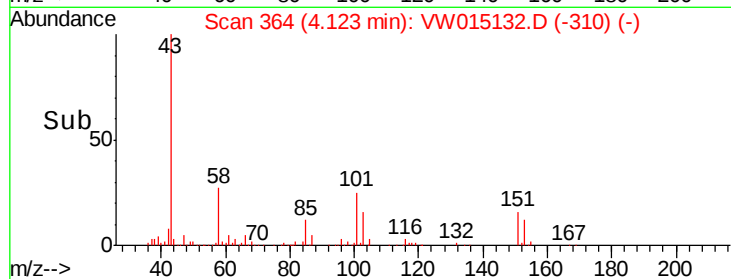
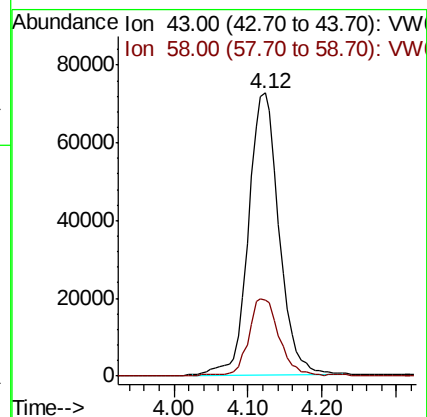
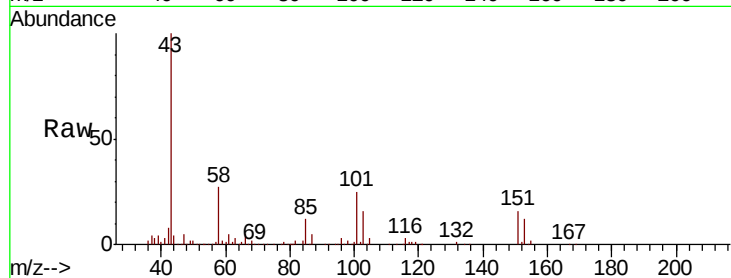




#13
Acetone
Concen: 73.595 ug/L
RT: 4.12 min Scan# 364
Delta R.T. 0.00 min
Lab File: VW015132.D
Acq: 25 Mar 2020 10:55

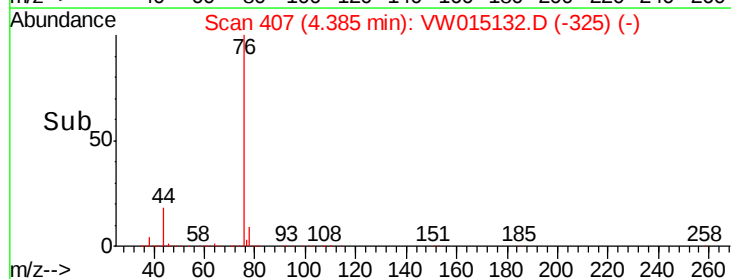
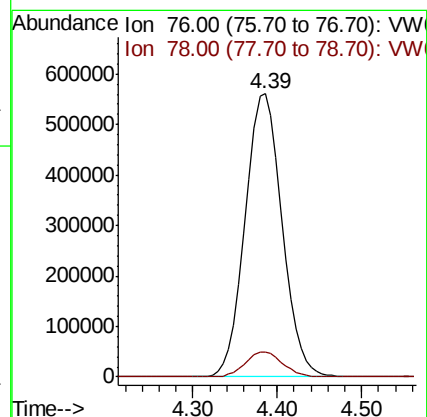
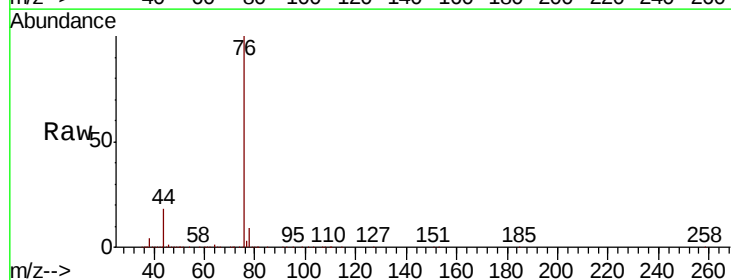
Instrument :
MSVOA_W
ClientSampled :

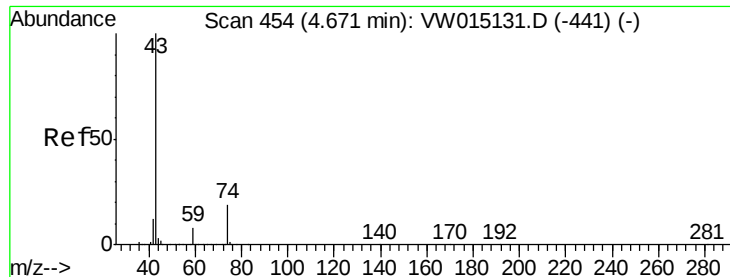
Tot Ion: 43 Resp: 209317
Ion Ratio Lower Upper
43 100
58 27.1 0.0 54.4



#14
Carbon disulfide
Concen: 47.701 ug/L
RT: 4.39 min Scan# 407
Delta R.T. 0.00 min
Lab File: VW015132.D
Acq: 25 Mar 2020 10:55

Tgt Ion: 76 Resp: 1667823
Ion Ratio Lower Upper
76 100
78 8.9 7.3 10.9

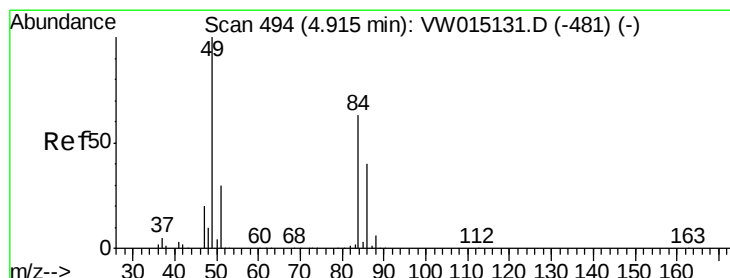
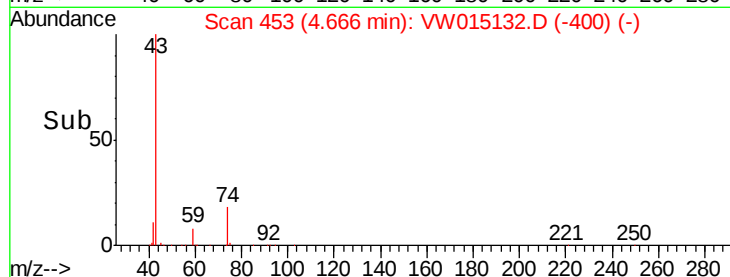
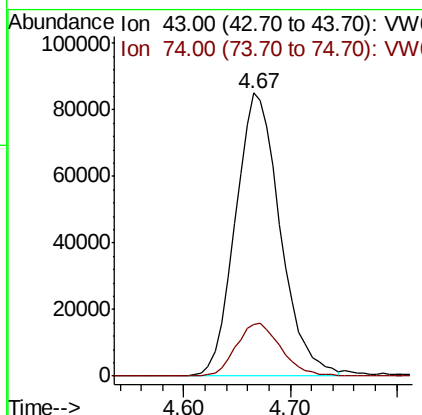
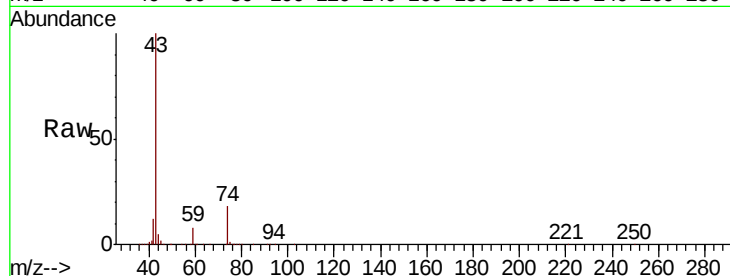




#15
Methyl Acetate
Concen: 48.216 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW015132.D
Acq: 25 Mar 2020 10:55

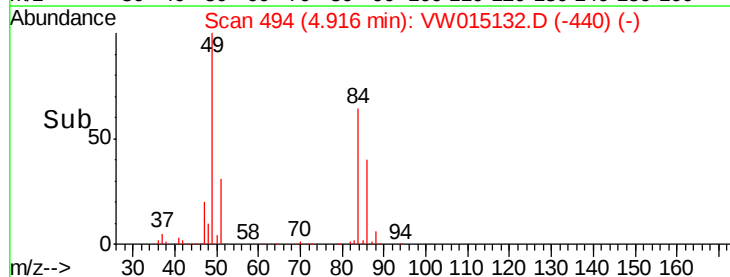
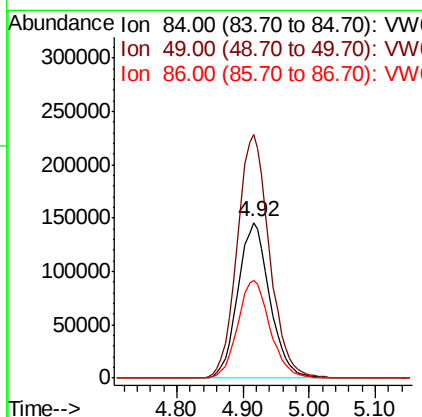
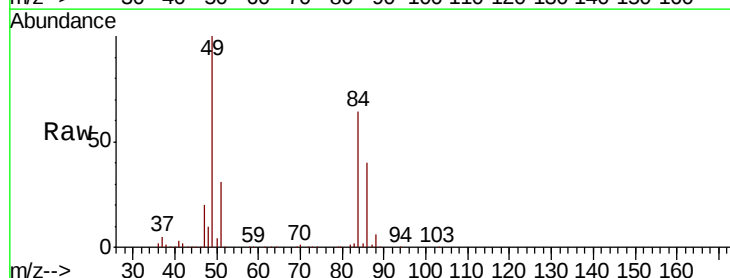
Instrument :
MSVOA_W
ClientSampled :

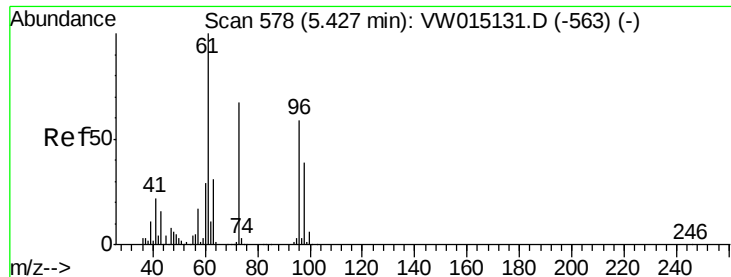
Tot Ion: 43 Resp: 249525
Ion Ratio Lower Upper
43 100
74 18.9 15.5 23.3



#16
Methylene chloride
Concen: 42.509 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW015132.D
Acq: 25 Mar 2020 10:55

Tgt Ion: 84 Resp: 487896
Ion Ratio Lower Upper
84 100
49 156.6 111.7 207.5
86 62.5 44.7 82.9

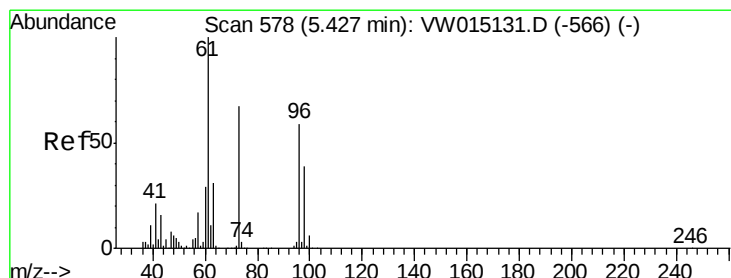
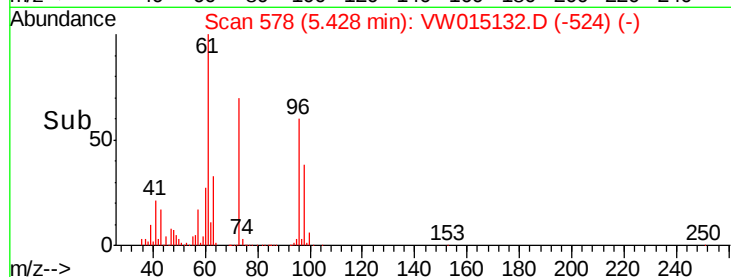
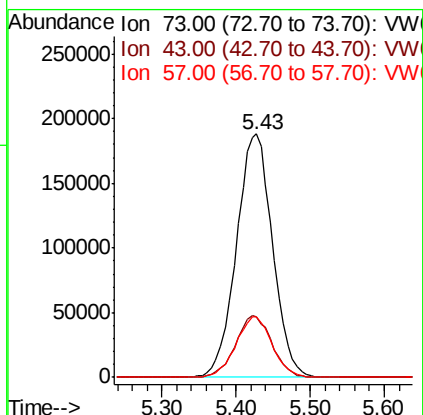
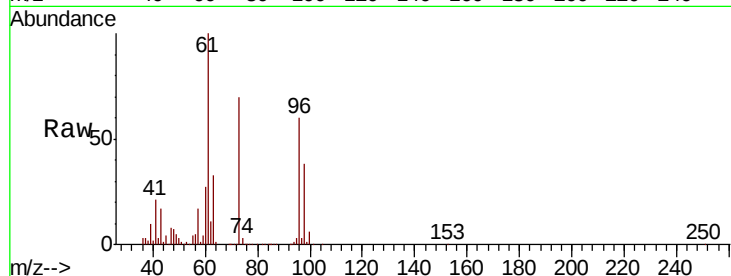




#17
Methvl tert-butvl Ether
Concen: 55.968 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW015132.D
Acq: 25 Mar 2020 10:55

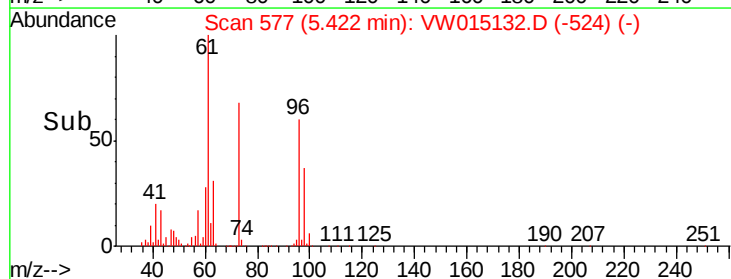
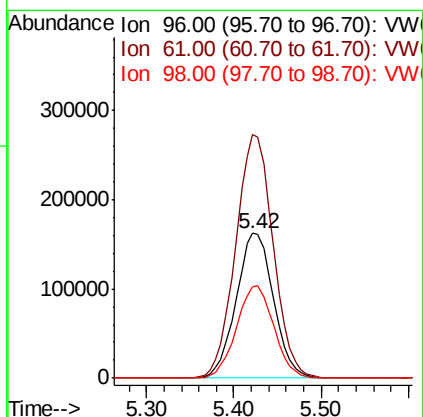
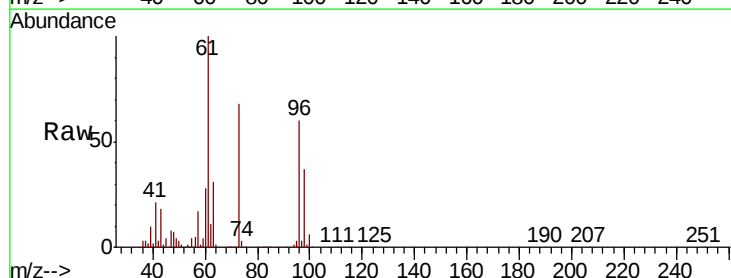
Instrument :
MSVOA_W
ClientSampleId :

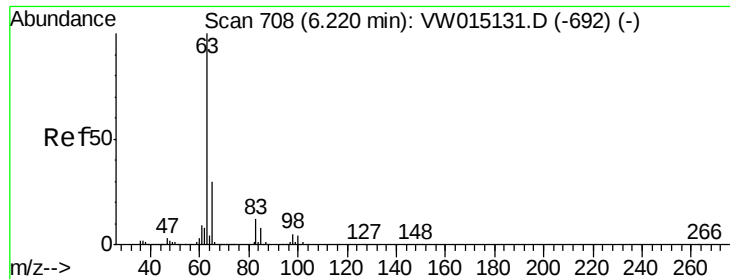
Tot Ion	Ratio	Lower	Upper
73	100		
43	25.3	20.2	30.2
57	24.5	19.7	29.5



#18
trans-1,2-Dichloroethene
Concen: 49.925 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW015132.D
Acq: 25 Mar 2020 10:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.9	118.1	219.3
98	62.7	45.8	85.2



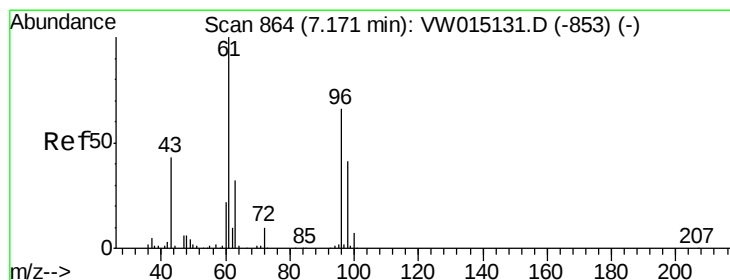
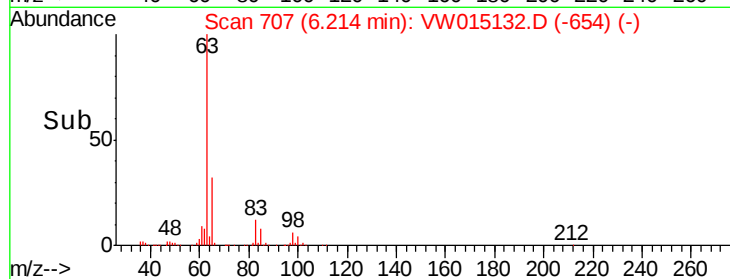
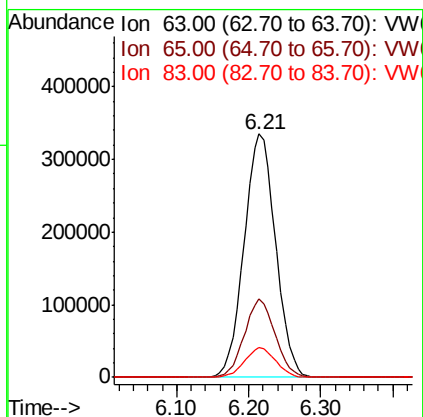
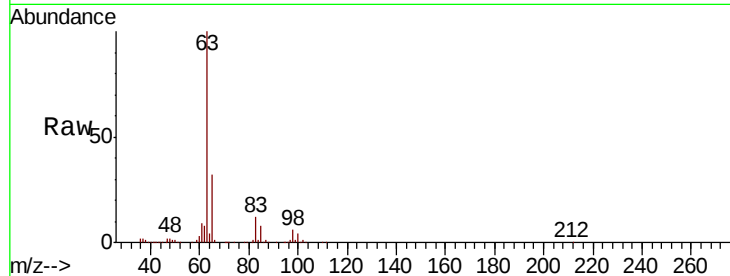


#19
 1,1-Dichloroethane
 Concen: 47.694 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VW015132.D
 Acq: 25 Mar 2020 10:55

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 63 Resp: 1016880

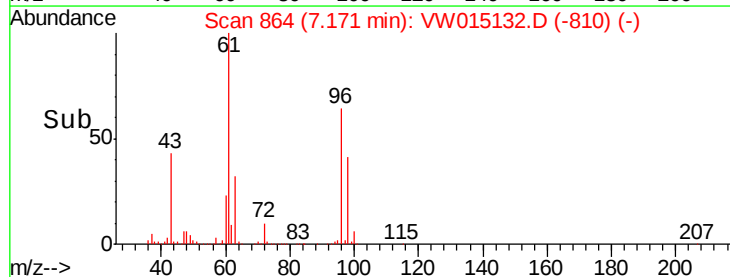
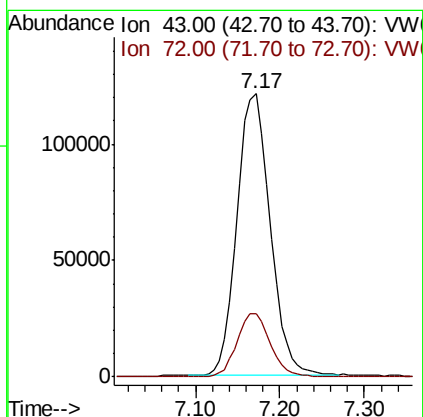
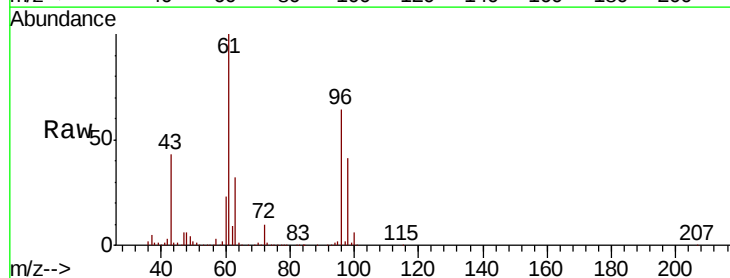
Ion	Ratio	Lower	Upper
63	100		
65	32.3	20.6	38.4
83	12.3	8.1	15.1

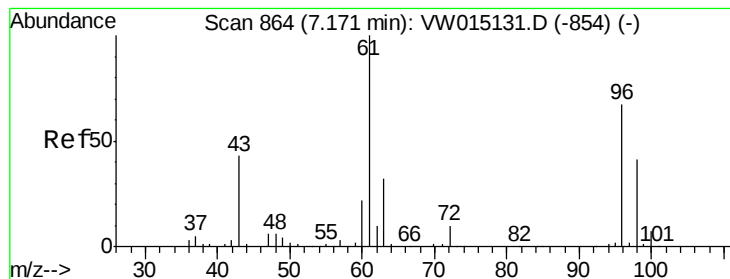


#21
 2-Butanone
 Concen: 92.742 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW015132.D
 Acq: 25 Mar 2020 10:55

Tgt Ion: 43 Resp: 323520

Ion	Ratio	Lower	Upper
43	100		
72	22.6	11.7	35.0



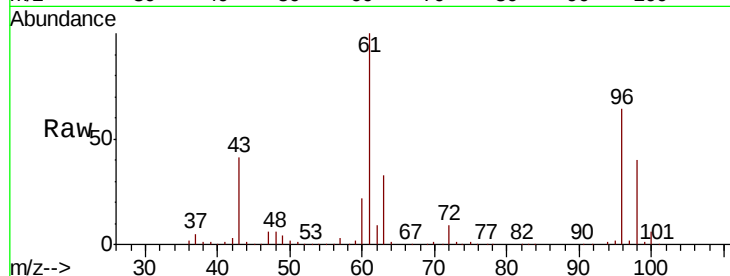


#22

cis-1,2-Dichloroethene
 Concen: 50.828 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW015132.D
 Acq: 25 Mar 2020 10:55

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.6	105.6	196.0
98	62.8	43.3	80.5

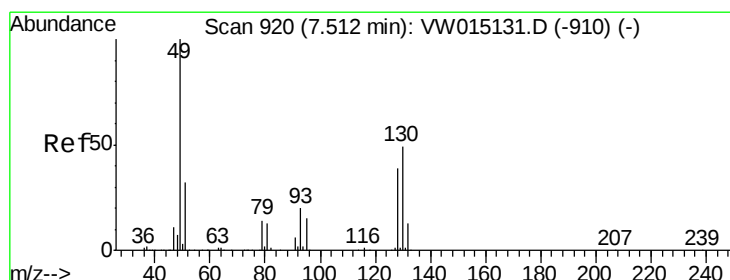
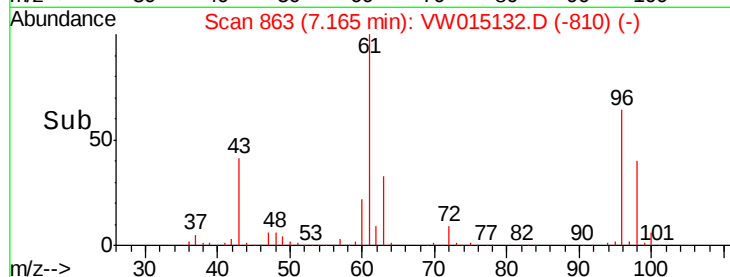
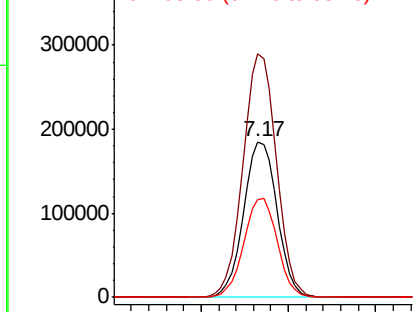


Abundance

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: 50.359 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW015132.D
 Acq: 25 Mar 2020 10:55

Tgt Ion	Ratio	Lower	Upper
128	100		
49	252.5	181.2	336.6
130	127.1	88.4	164.2
51	78.2	66.2	99.4

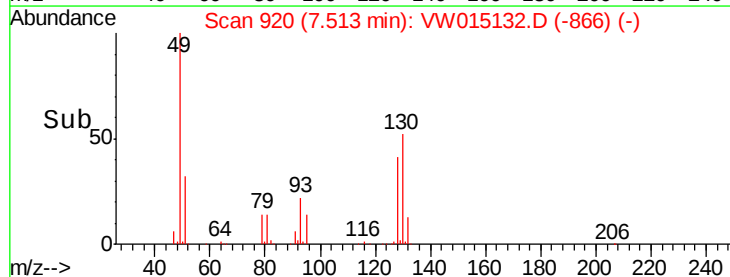
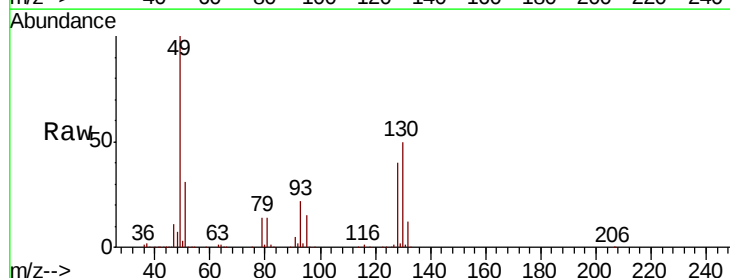
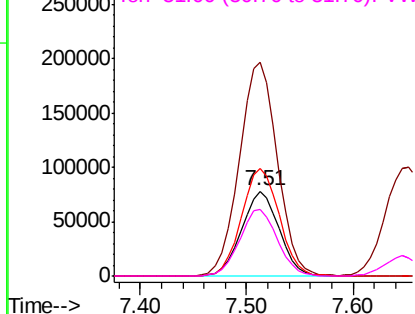
Abundance

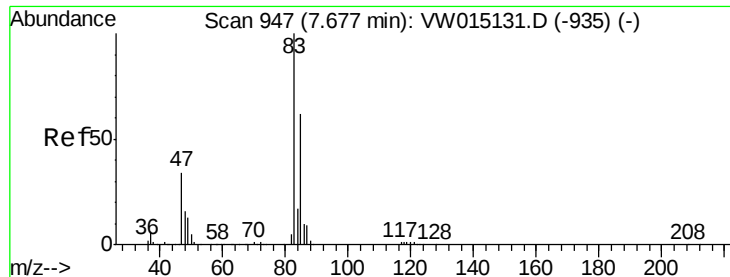
Ion 128.00 (127.70 to 128.70): V

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

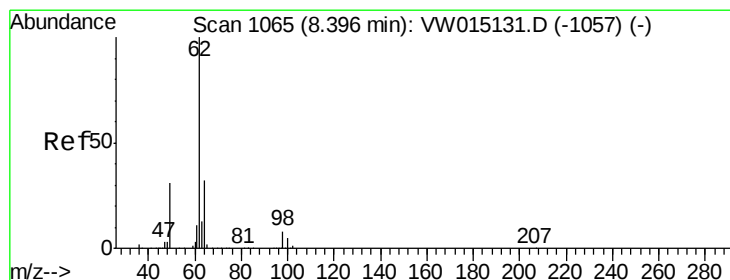
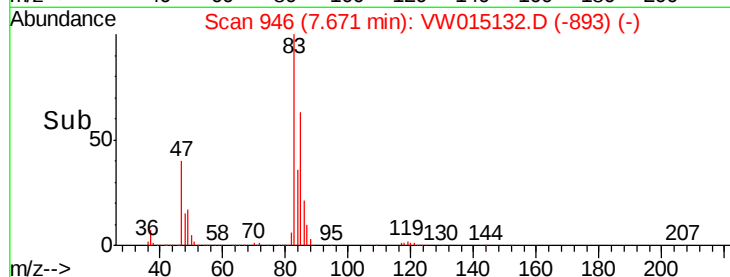
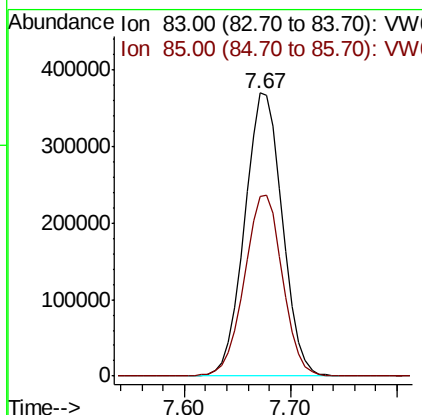
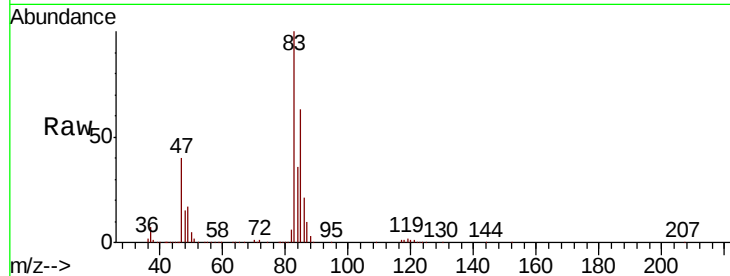




#25
Chloroform
Concen: 47.384 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW015132.D
Acq: 25 Mar 2020 10:55

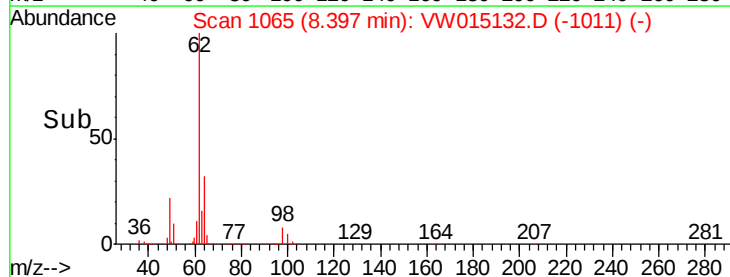
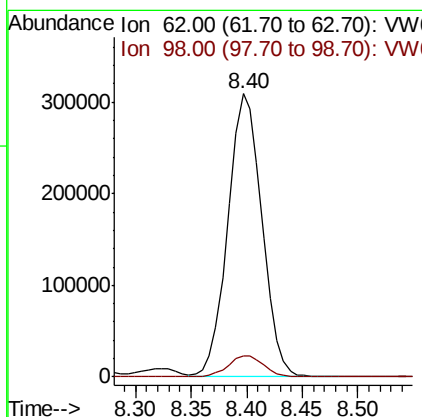
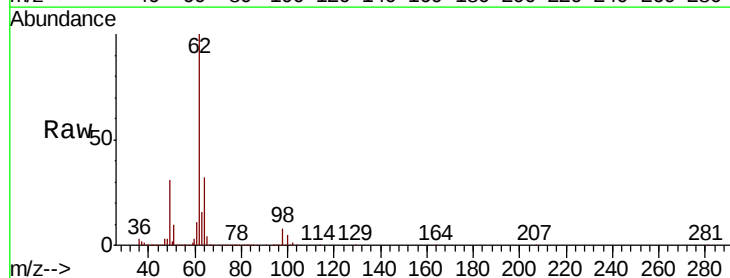
Instrument :
MSVOA_W
ClientSampleId :

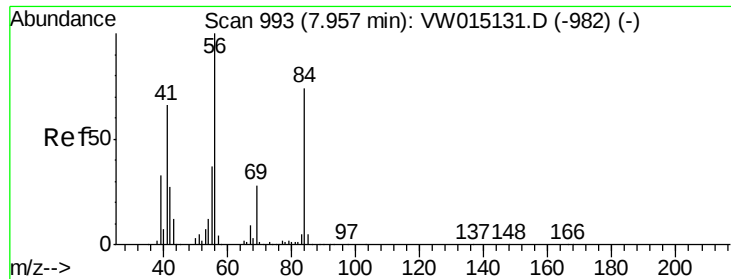
Tot Ion: 83 Resp: 918848
Ion Ratio Lower Upper
83 100
85 64.8 45.4 84.2



#27
1,2-Dichloroethane
Concen: 49.007 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW015132.D
Acq: 25 Mar 2020 10:55

Tgt Ion: 62 Resp: 655956
Ion Ratio Lower Upper
62 100
98 7.6 6.2 9.4

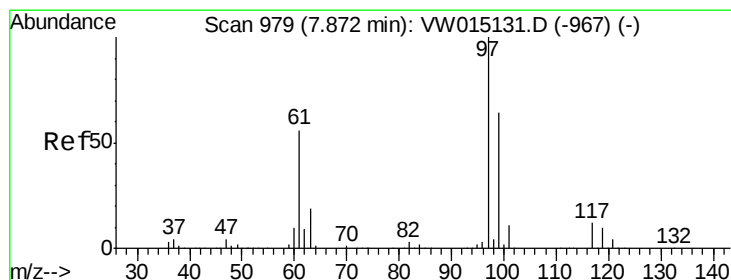
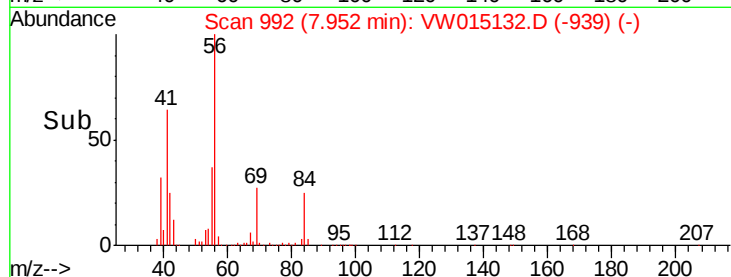
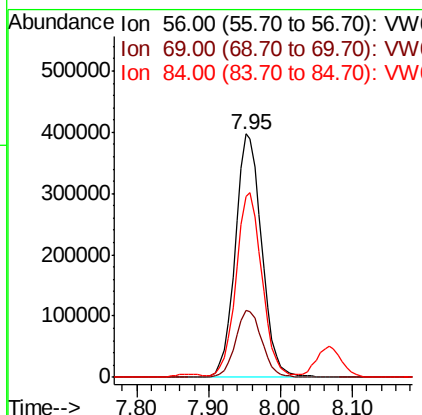
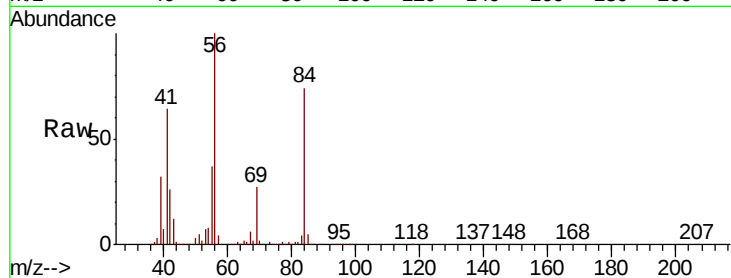




#30
Cyclohexane
Concen: 53.305 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW015132.D
Acq: 25 Mar 2020 10:55

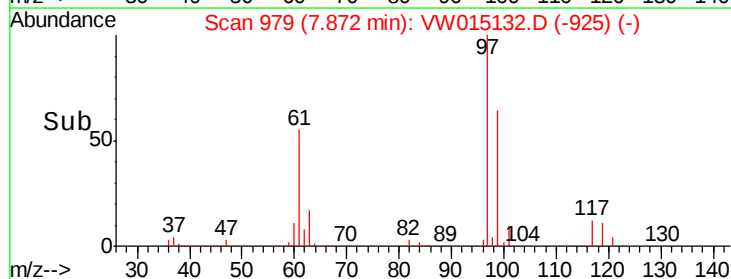
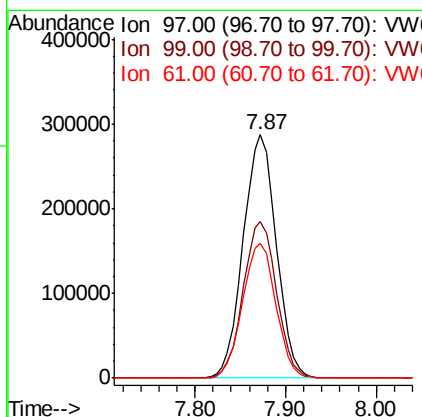
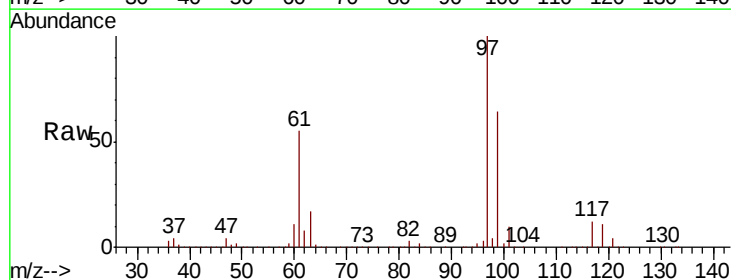
Instrument :
MSVOA_W
ClientSampled :

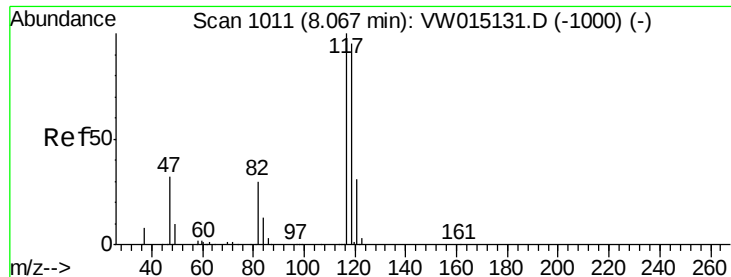
Tot Ion: 56 Resp: 1013413
Ion Ratio Lower Upper
56 100
69 27.4 22.0 33.0
84 74.5 58.9 88.3



#31
1,1,1-Trichloroethane
Concen: 49.084 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW015132.D
Acq: 25 Mar 2020 10:55

Tgt Ion: 97 Resp: 728689
Ion Ratio Lower Upper
97 100
99 64.8 51.0 76.4
61 55.7 44.8 67.2





#32

Carbon tetrachloride

Concen: 48.207 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW015132.D

Acq: 25 Mar 2020 10:55

Instrument :

MSVOA_W

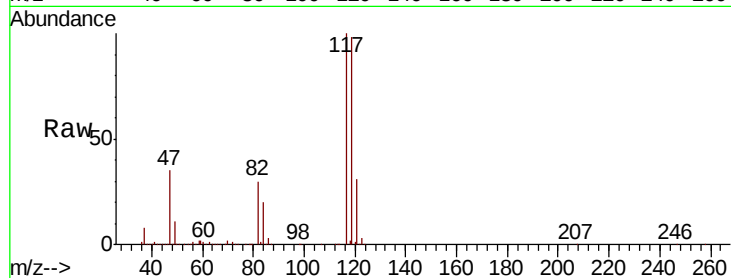
ClientSampleId :

Tot Ion:117 Resp: 638052

Ion Ratio Lower Upper

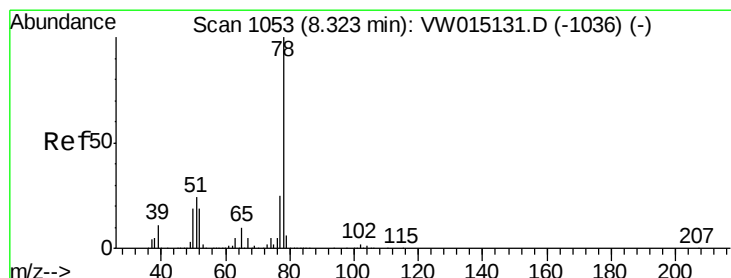
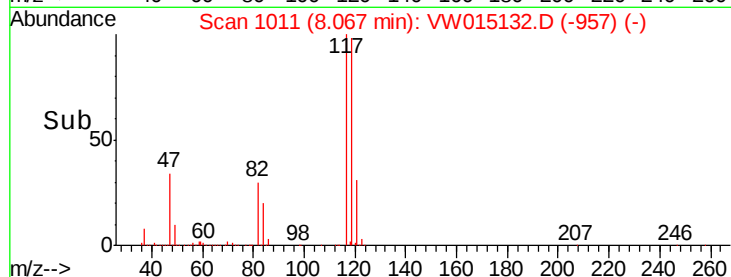
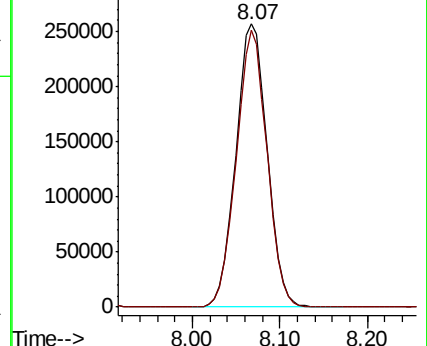
117 100

119 95.8 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 49.973 ug/L

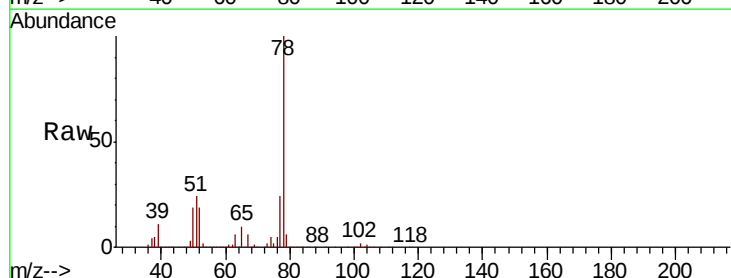
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

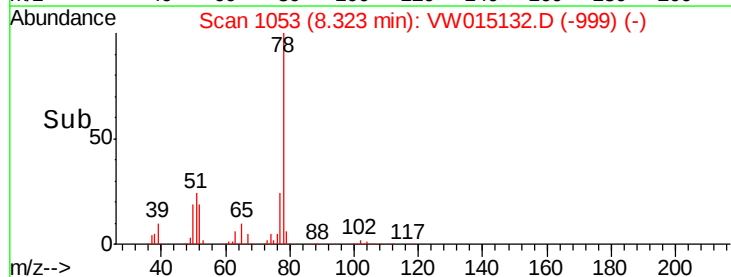
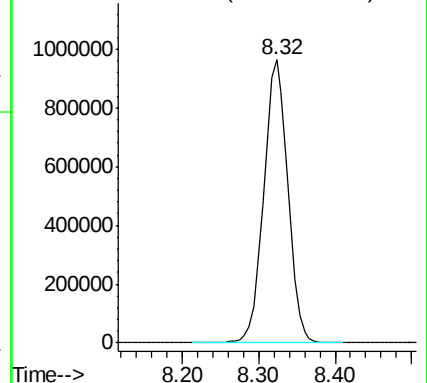
Lab File: VW015132.D

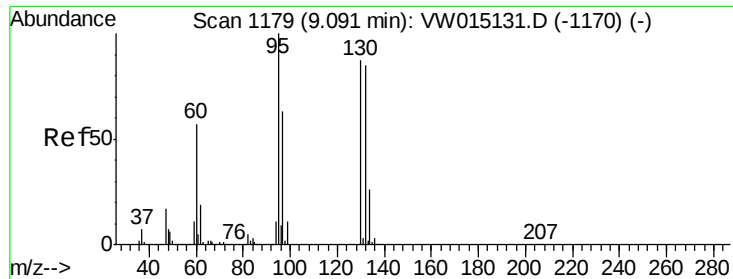
Acq: 25 Mar 2020 10:55

Tgt Ion: 78 Resp: 2121696



Abundance Ion 78.00 (77.70 to 78.70): VW

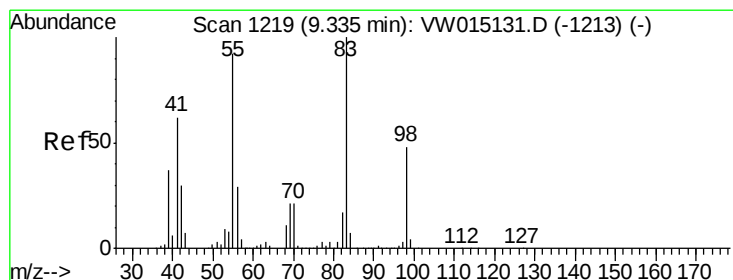
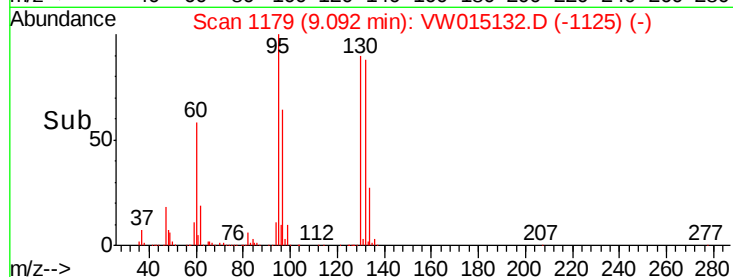
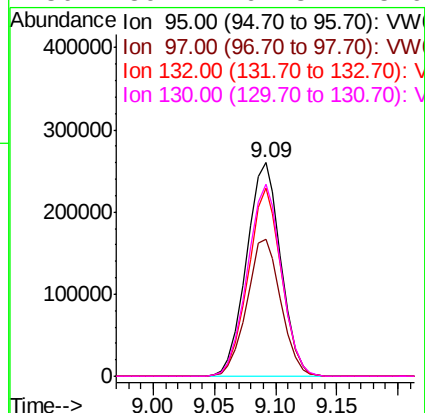
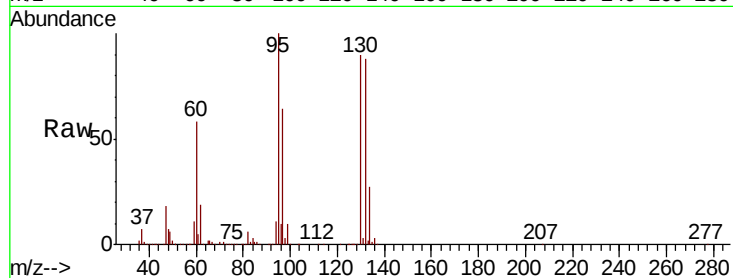




#35
 Trichloroethene
 Concen: 48.933 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW015132.D
 Acq: 25 Mar 2020 10:55

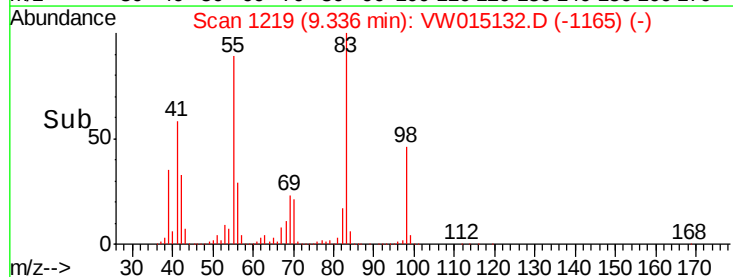
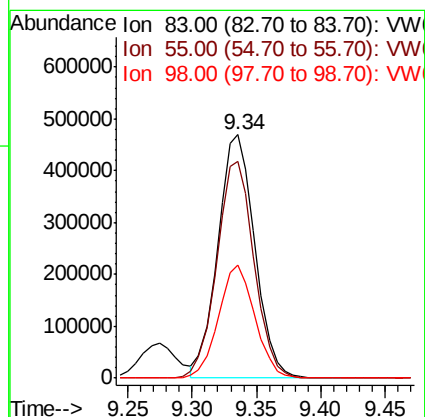
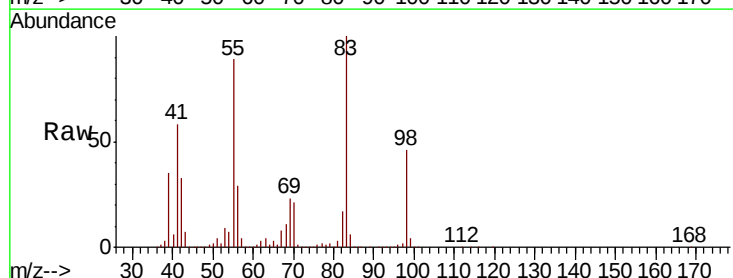
Instrument :
 MSVOA_W
 ClientSampleId :

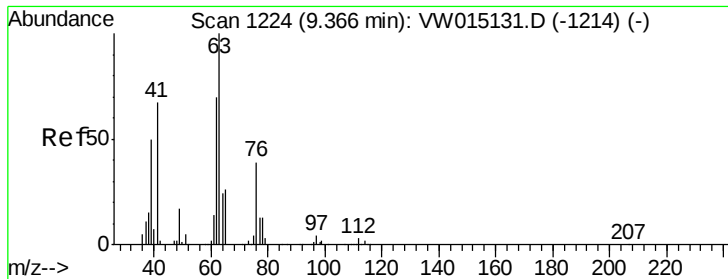
Tot Ion:	95	Resp:	506460
Ion	Ratio	Lower	Upper
95	100		
97	63.8	43.7	81.1
132	85.6	58.7	109.1
130	89.4	61.3	113.9



#36
 Methylcyclohexane
 Concen: 53.347 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW015132.D
 Acq: 25 Mar 2020 10:55

Tgt Ion:	83	Resp:	940933
Ion	Ratio	Lower	Upper
83	100		
55	89.8	73.4	110.2
98	45.9	36.6	55.0

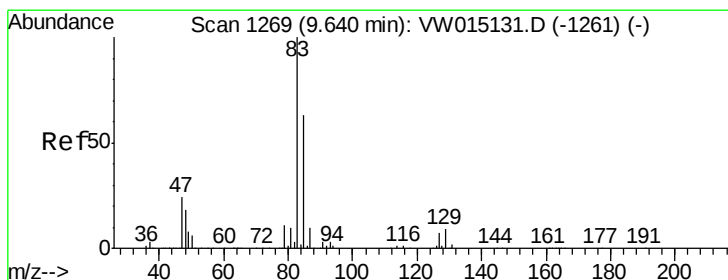
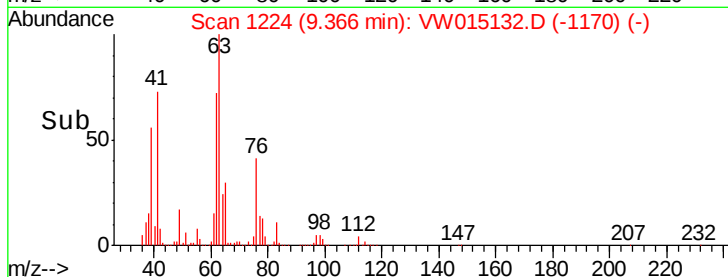
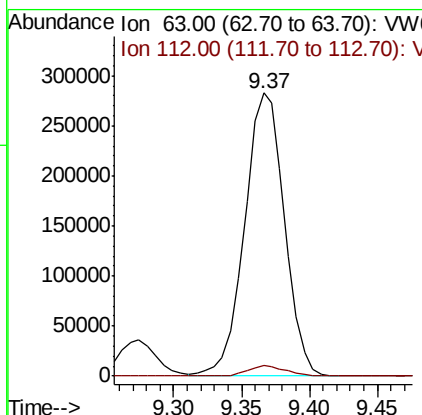
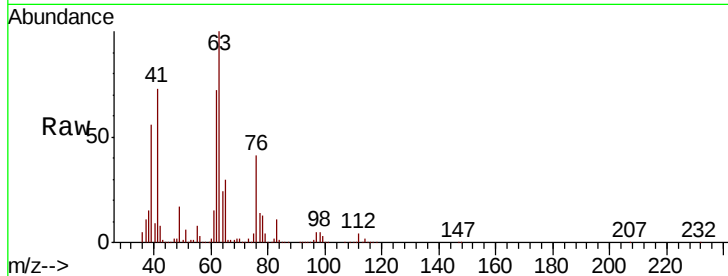




#40
 1,2-Dichloropropane
 Concen: 49.092 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW015132.D
 Acq: 25 Mar 2020 10:55

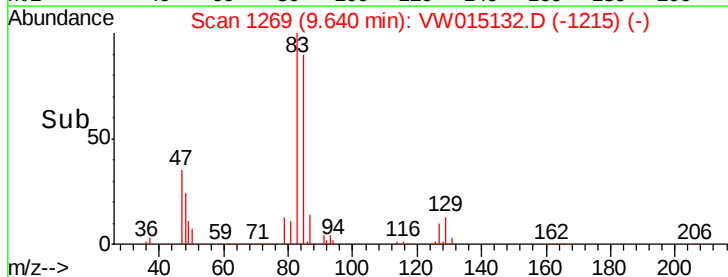
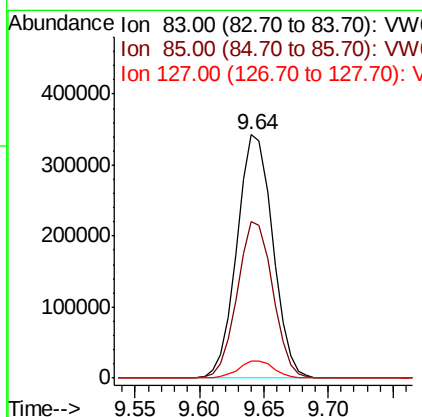
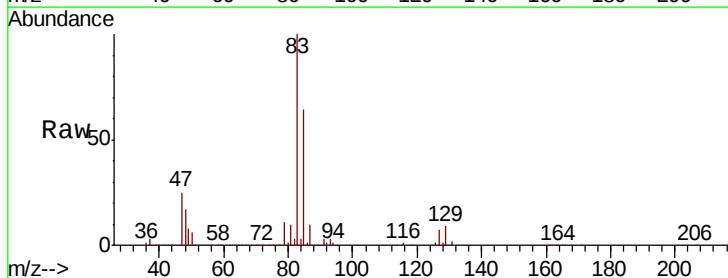
Instrument :
 MSVOA_W
 ClientSampleId :

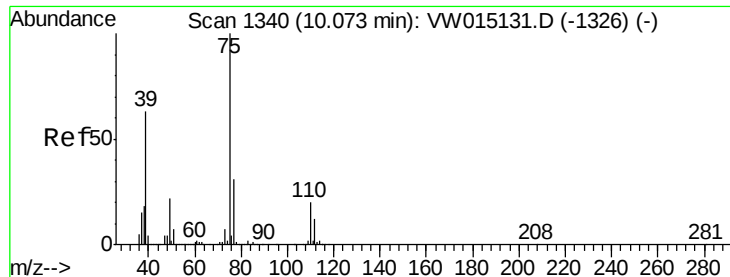
Tot Ion: 63 Resp: 578655
 Ion Ratio Lower Upper
 63 100
 112 3.4 2.9 4.3



#41
 Bromodichloromethane
 Concen: 49.680 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW015132.D
 Acq: 25 Mar 2020 10:55

Tgt Ion: 83 Resp: 660806
 Ion Ratio Lower Upper
 83 100
 85 64.1 44.1 81.9
 127 7.0 5.5 8.3





#42

cis-1,3-Dichloropropene

Concen: 54.055 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015132.D

Acq: 25 Mar 2020 10:55

Instrument :

MSVOA_W

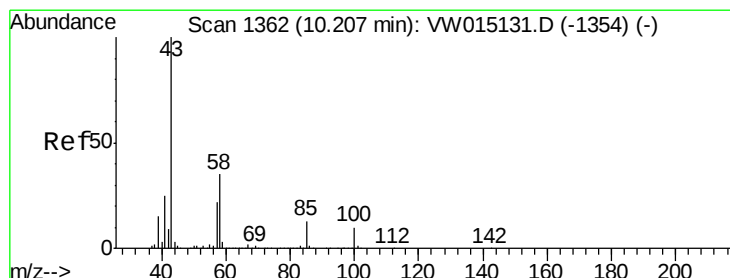
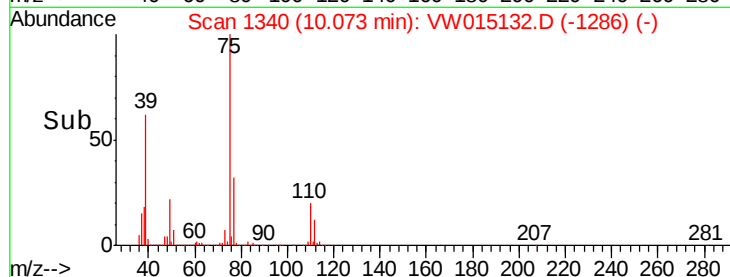
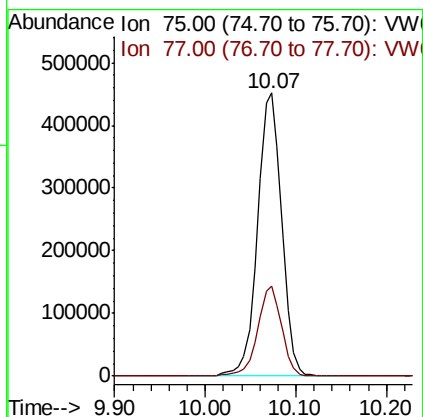
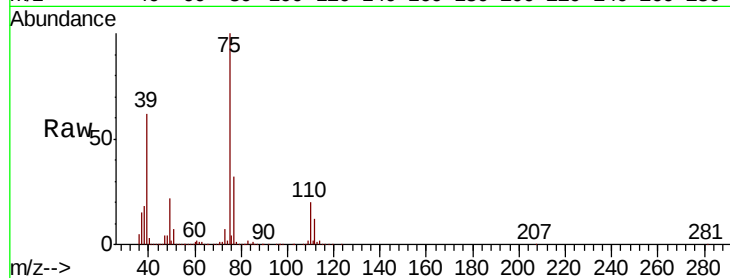
ClientSampled :

Tot Ion: 75 Resp: 829676

Ion Ratio Lower Upper

75 100

77 31.7 21.4 39.8



#43

4-Methyl-2-pentanone

Concen: 109.754 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015132.D

Acq: 25 Mar 2020 10:55

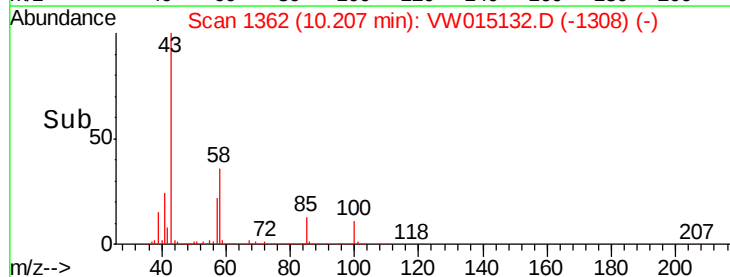
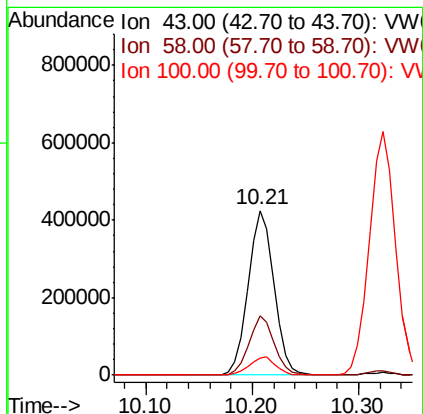
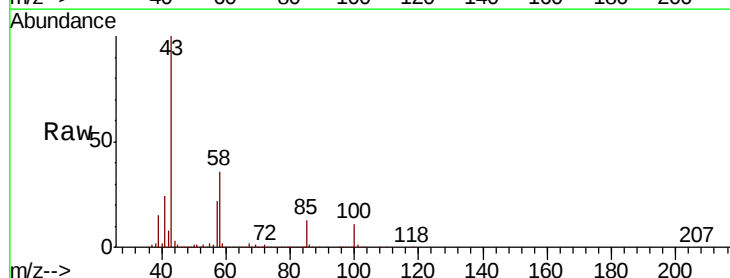
Tgt Ion: 43 Resp: 726668

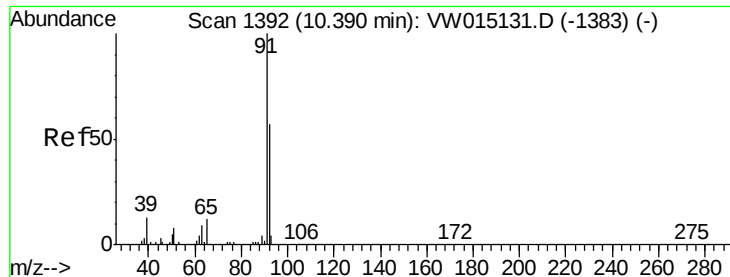
Ion Ratio Lower Upper

43 100

58 35.0 27.9 41.9

100 10.9 8.9 13.3





#44

Toluene

Concen: 53.185 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW015132.D

Acq: 25 Mar 2020 10:55

Instrument :

MSVOA_W

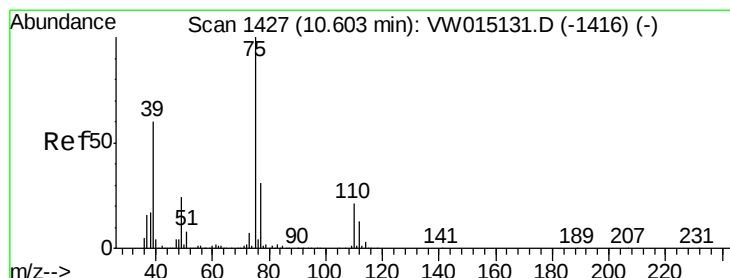
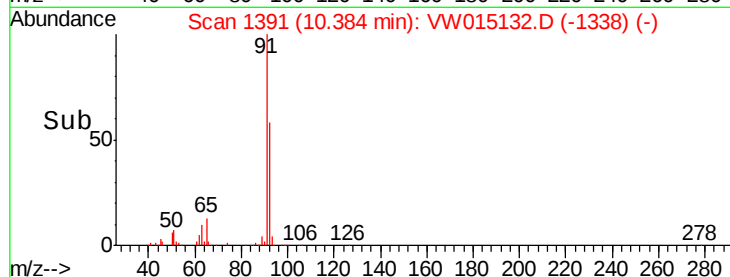
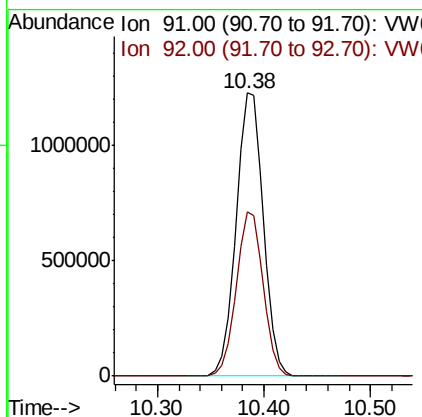
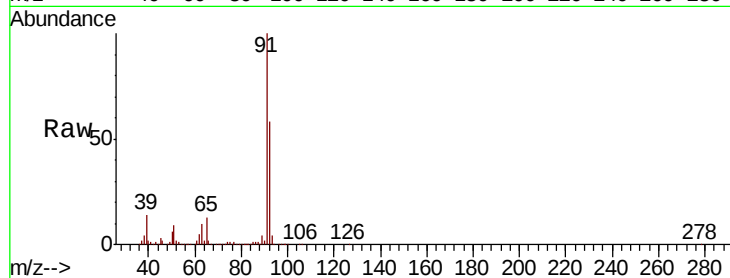
ClientSampleId :

Tot Ion: 91 Resp: 2198140

Ion Ratio Lower Upper

91 100

92 58.2 40.2 74.6



#45

trans-1,3-Dichloropropene

Concen: 56.678 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW015132.D

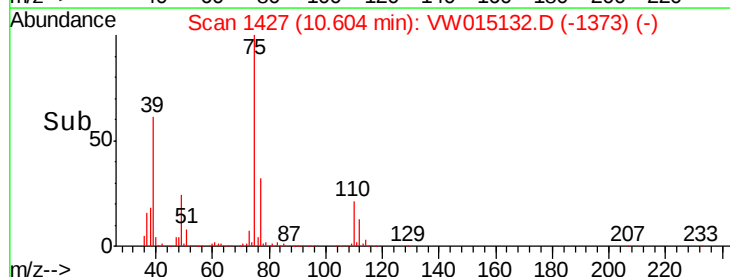
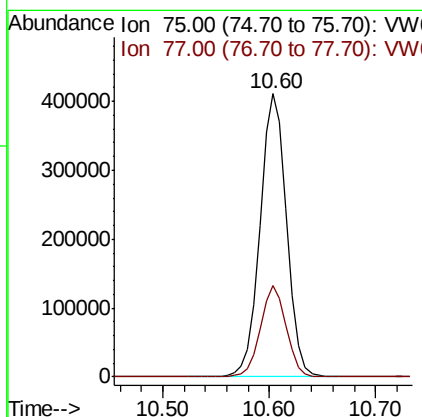
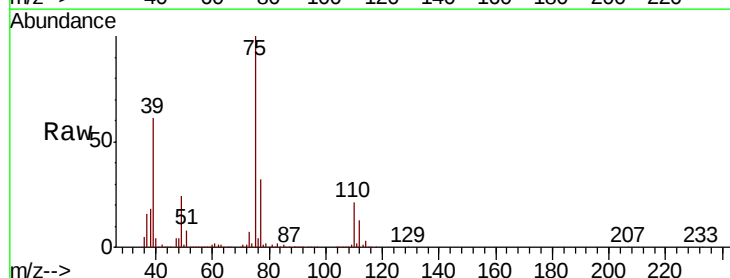
Acq: 25 Mar 2020 10:55

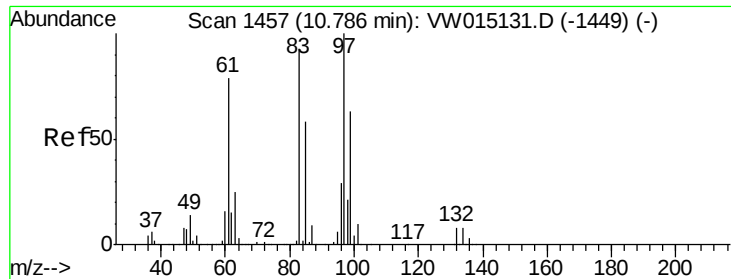
Tgt Ion: 75 Resp: 716173

Ion Ratio Lower Upper

75 100

77 32.1 21.8 40.4





#46

1,1,2-Trichloroethane

Concen: 50.443 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015132.D

Acq: 25 Mar 2020 10:55

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 338874

Ion	Ratio	Lower	Upper
97	100		
83	91.8	64.8	120.4
85	60.7	40.9	75.9
99	63.1	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

Time-->

10.79

200000

150000

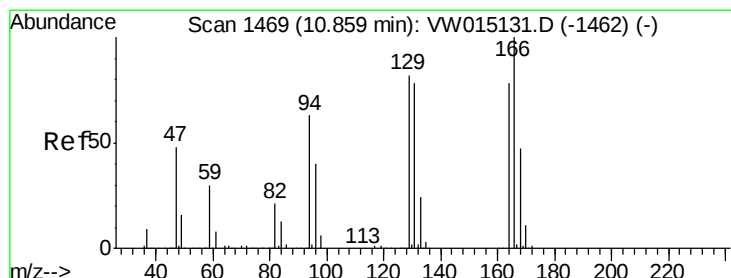
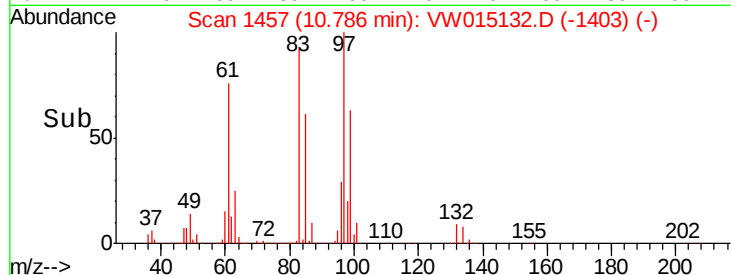
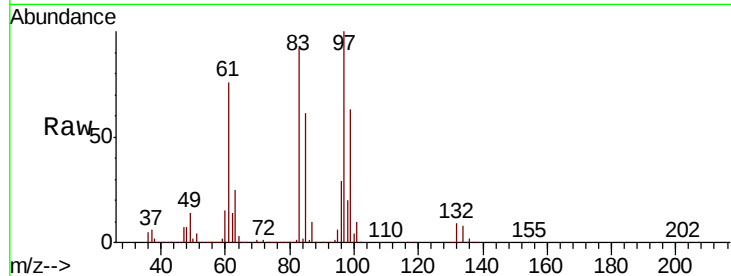
100000

50000

0

10.70 10.75 10.80 10.85

Time-->



#47

Tetrachloroethene

Concen: 49.261 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW015132.D

Acq: 25 Mar 2020 10:55

Tgt Ion: 164 Resp: 327655

Ion	Ratio	Lower	Upper
164	100		
129	101.0	73.2	136.0
131	95.5	69.4	128.8
166	118.2	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

Time-->

10.86

300000

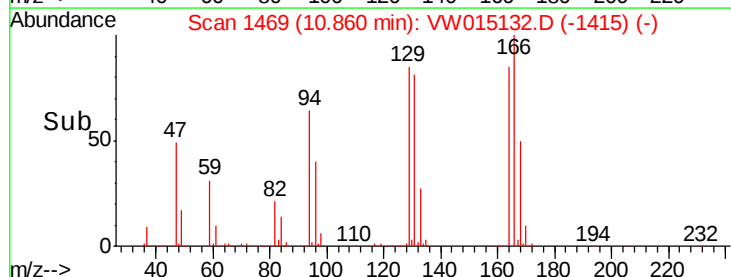
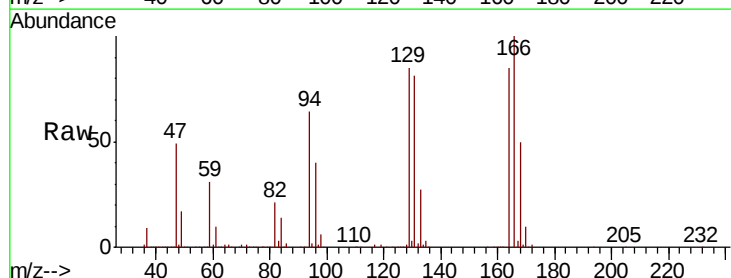
200000

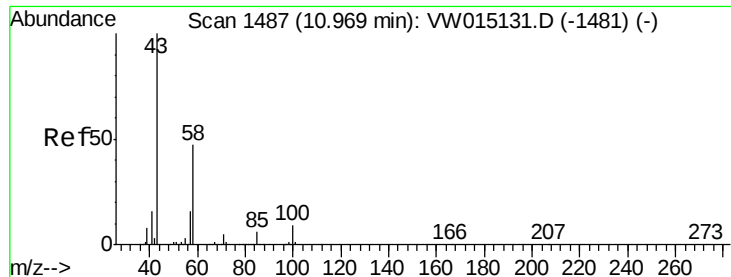
100000

0

10.80 10.85 10.90

Time-->

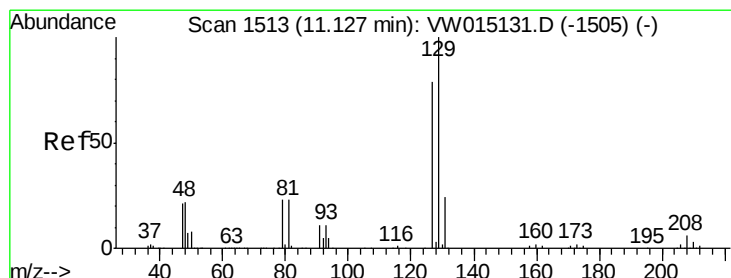
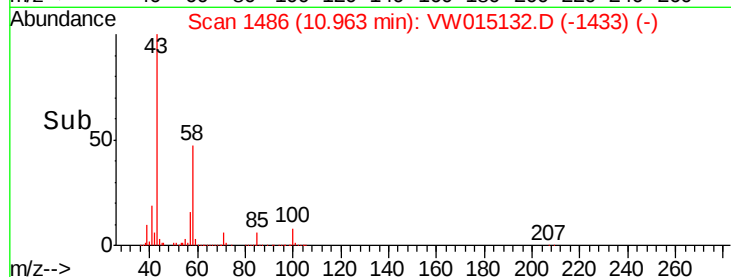
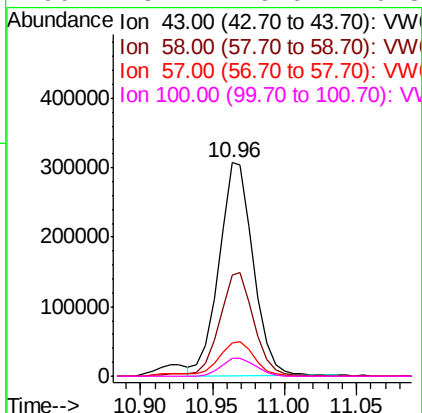
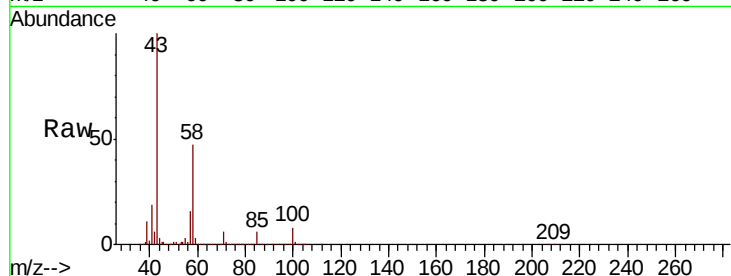




#49
2-Hexanone
Concen: 107.560 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VW015132.D
Acq: 25 Mar 2020 10:55

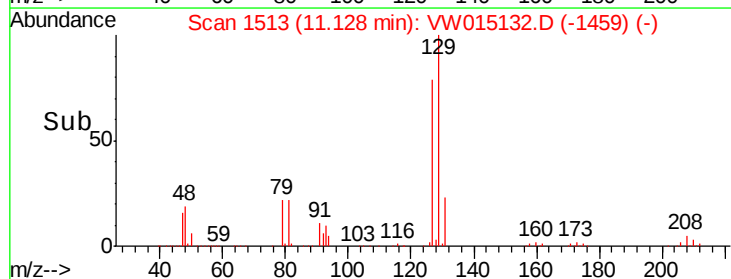
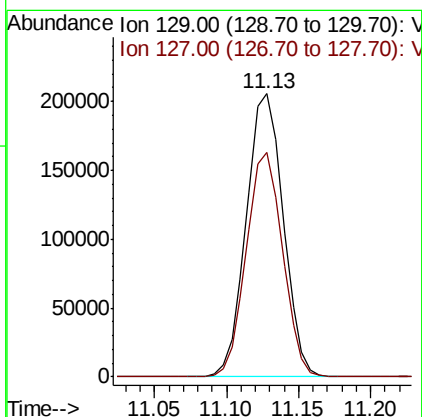
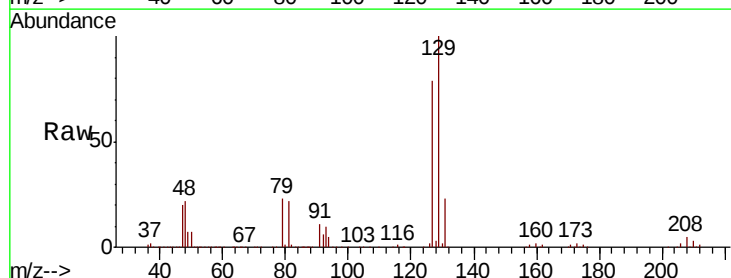
Instrument :
MSVOA_W
ClientSampleId :

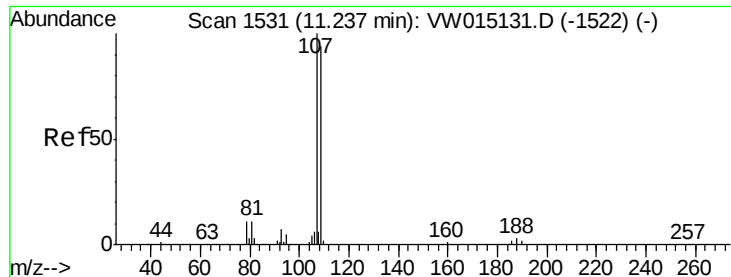
Tot Ion:	43	Resp:	508537
Ion	Ratio	Lower	Upper
43	100		
58	48.8	38.5	57.7
57	16.7	12.9	19.3
100	8.7	6.9	10.3



#50
Dibromochloromethane
Concen: 51.389 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015132.D
Acq: 25 Mar 2020 10:55

Tgt Ion:	129	Resp:	364959
Ion	Ratio	Lower	Upper
129	100		
127	79.5	55.1	102.3

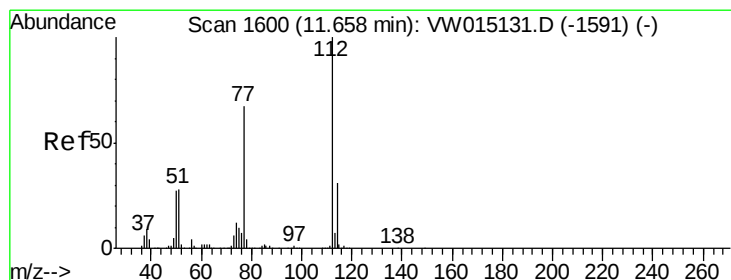
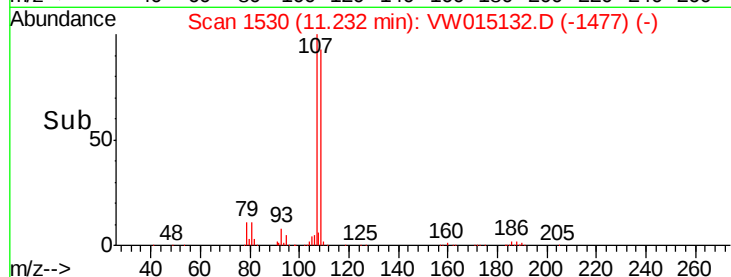
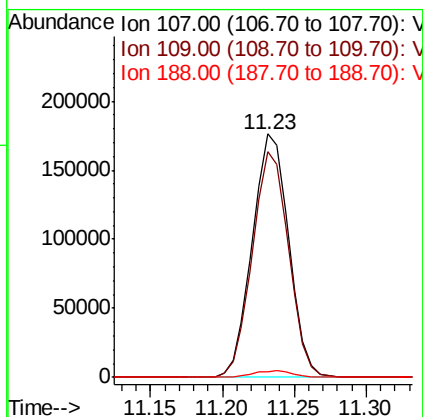
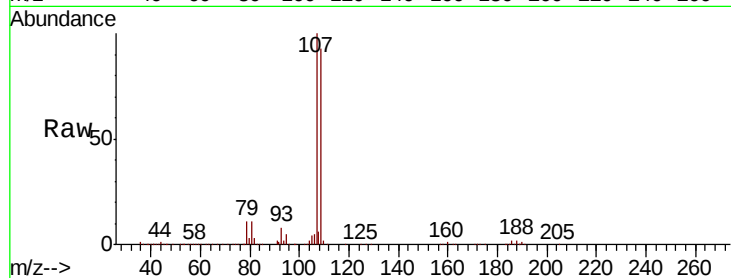




#51
 1,2-Dibromoethane
 Concen: 52.616 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW015132.D
 Acq: 25 Mar 2020 10:55

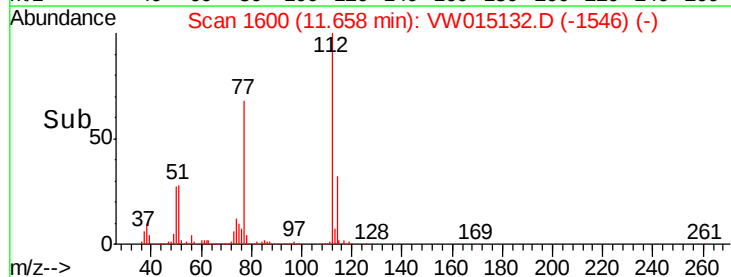
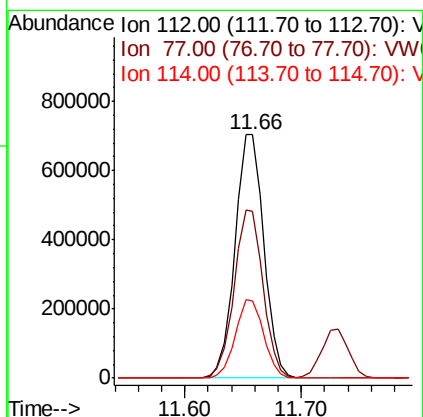
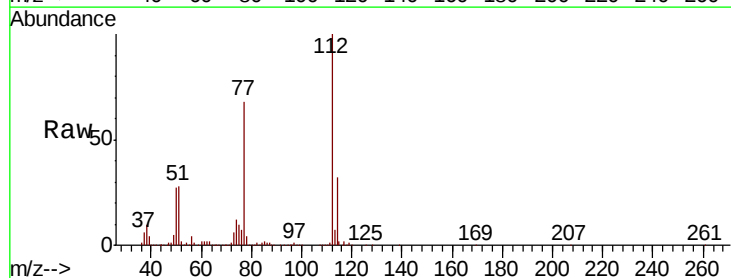
Instrument :
 MSVOA_W
 ClientSampleId :

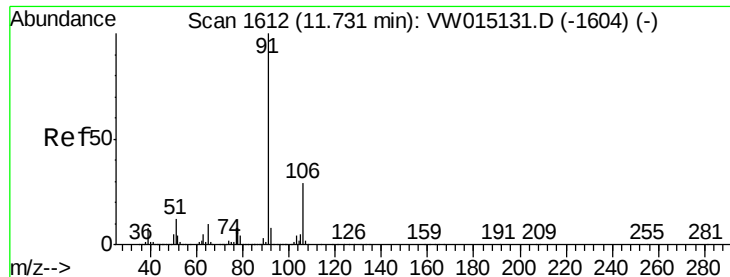
Tot Ion	107	Resp	308410
Ion Ratio	Lower	Upper	
107	100		
109	92.8	65.9	122.5
188	2.5	2.3	3.5



#52
 Chlorobenzene
 Concen: 49.935 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW015132.D
 Acq: 25 Mar 2020 10:55

Tgt Ion	112	Resp	1217008
Ion Ratio	Lower	Upper	
112	100		
77	68.3	53.5	80.3
114	31.9	22.0	40.8

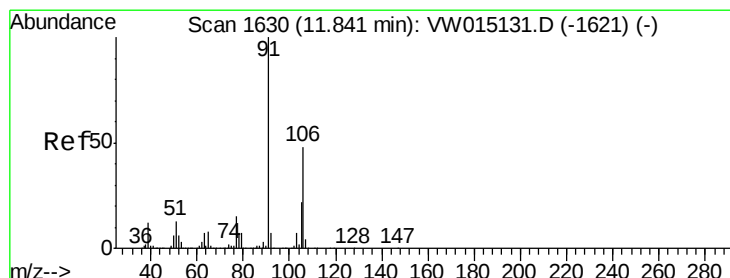
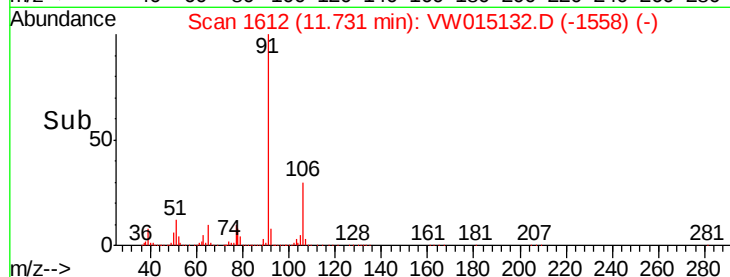
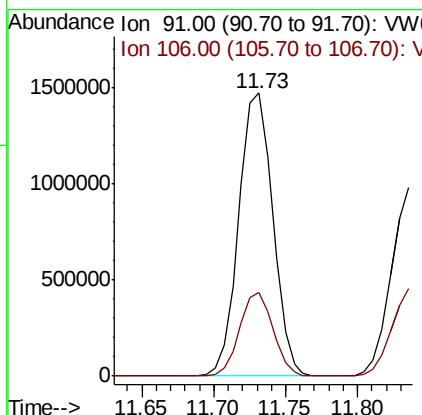
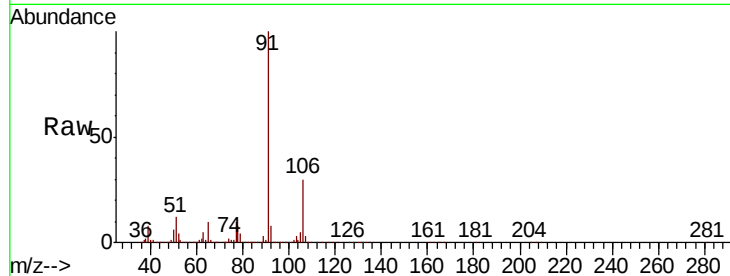




#53
Ethylbenzene
Concen: 53.535 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015132.D
Acq: 25 Mar 2020 10:55

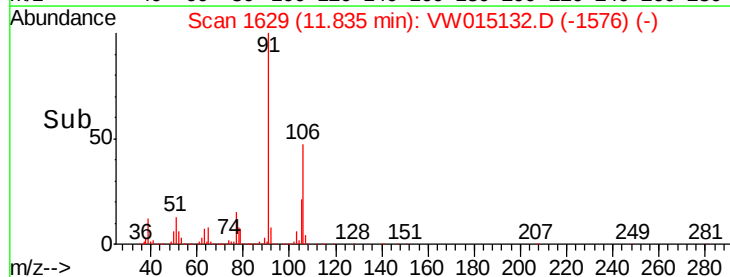
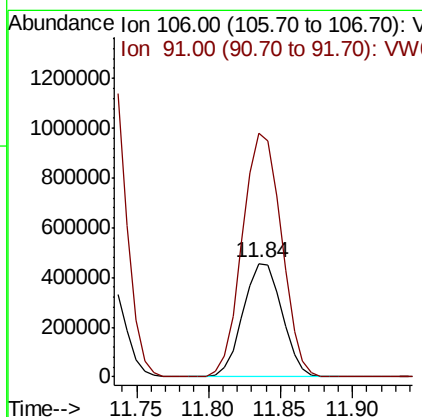
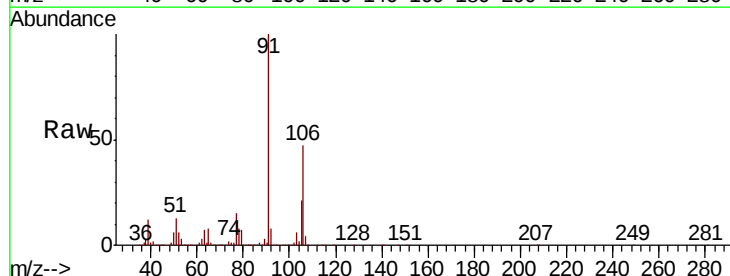
Instrument :
MSVOA_W
ClientSampleId :

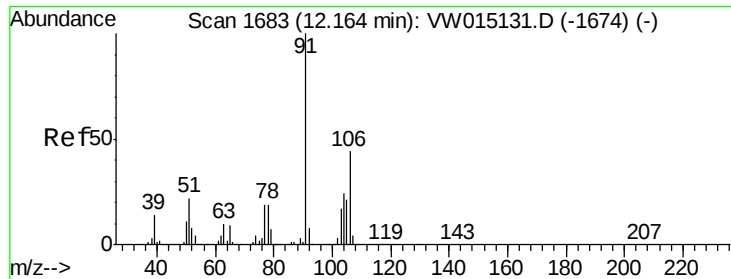
Tot Ion: 91 Resp: 2423208
Ion Ratio Lower Upper
91 100
106 29.7 20.6 38.2



#54
m,p-Xylene
Concen: 54.206 ug/L
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW015132.D
Acq: 25 Mar 2020 10:55

Tgt Ion: 106 Resp: 857006
Ion Ratio Lower Upper
106 100
91 214.7 147.3 273.6

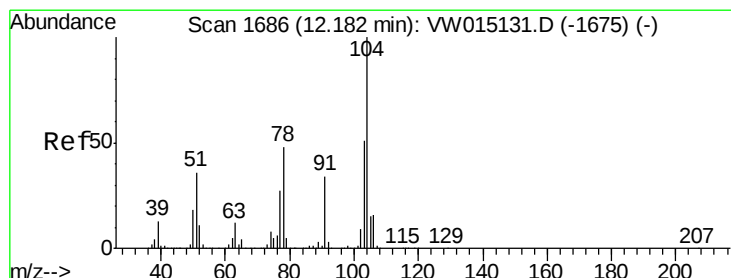
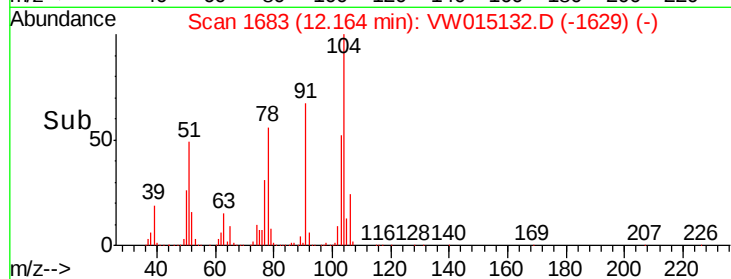
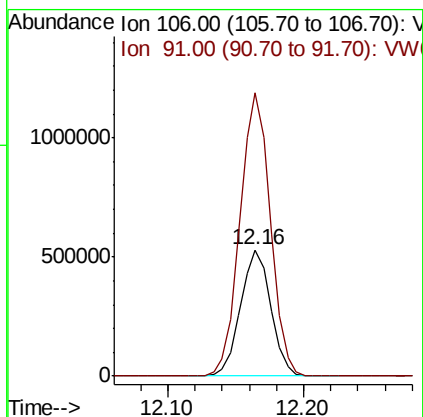
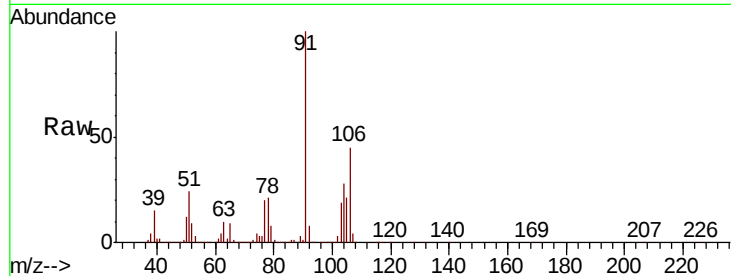




#55
o-xylene
Concen: 55.571 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015132.D
Acq: 25 Mar 2020 10:55

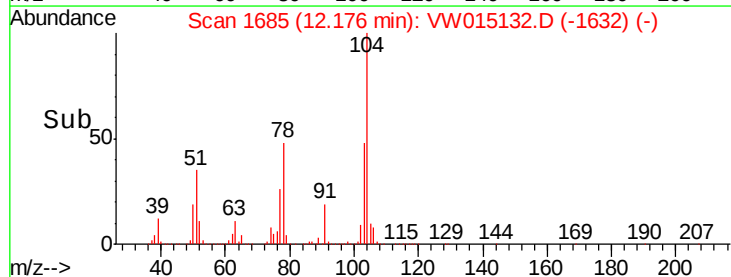
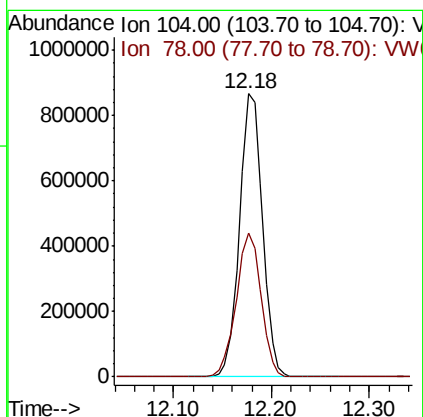
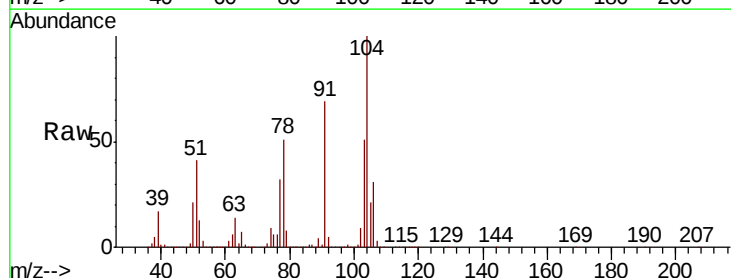
Instrument :
MSVOA_W
ClientSampled :

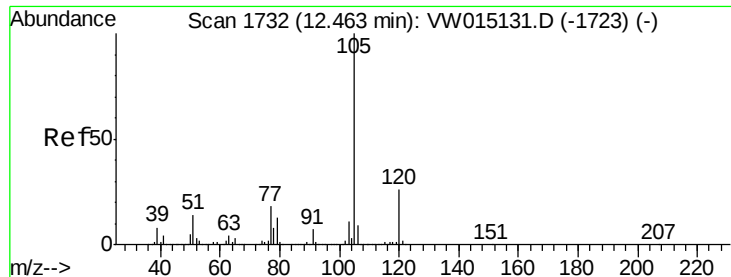
Tot Ion:106 Resp: 821452
Ion Ratio Lower Upper
106 100
91 224.0 158.6 294.6



#56
Styrene
Concen: 56.011 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW015132.D
Acq: 25 Mar 2020 10:55

Tgt Ion:104 Resp: 1414342
Ion Ratio Lower Upper
104 100
78 51.0 33.9 63.0





#57

Isopropylbenzene

Concen: 55.842 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015132.D

Acq: 25 Mar 2020 10:55

Instrument :

MSVOA_W

ClientSampleId :

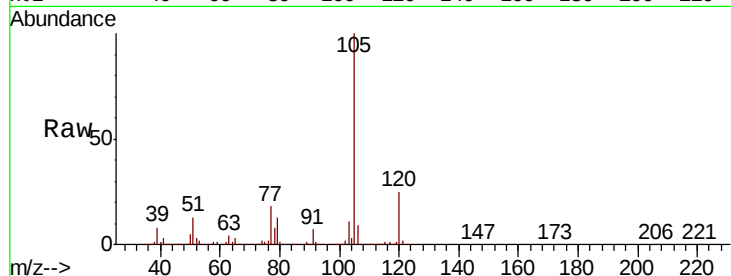
Tot Ion:105 Resp: 2249444

Ion Ratio Lower Upper

105 100

120 25.1 20.0 30.0

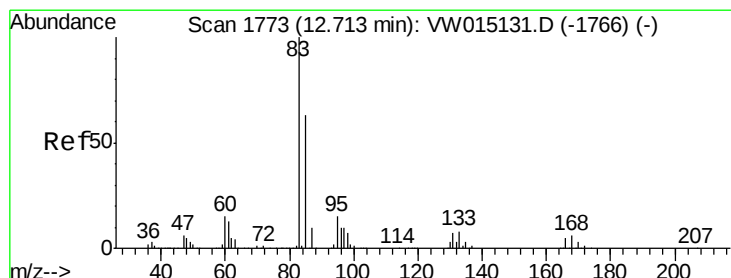
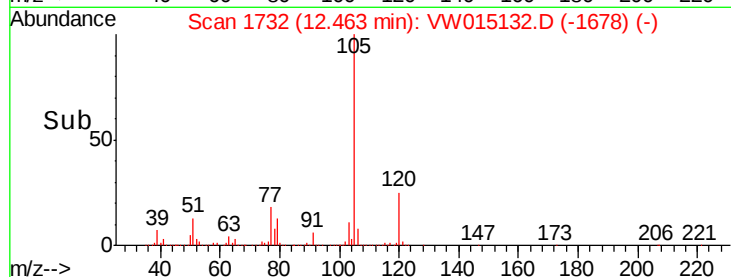
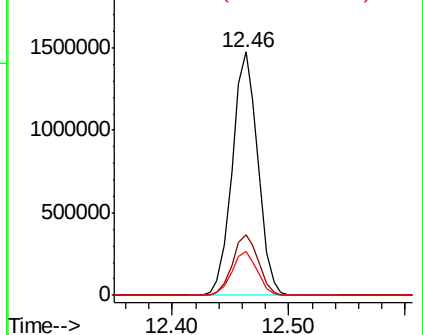
77 18.0 14.5 21.7



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: 51.206 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015132.D

Acq: 25 Mar 2020 10:55

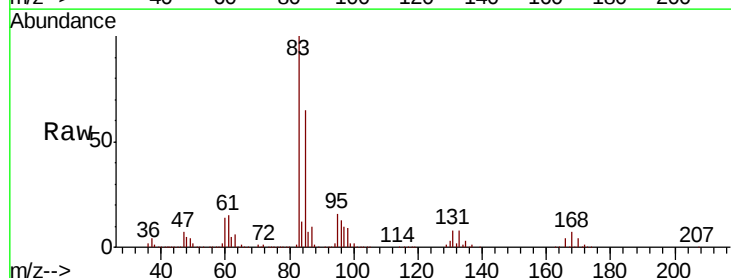
Tgt Ion: 83 Resp: 434550

Ion Ratio Lower Upper

83 100

85 65.1 44.1 81.9

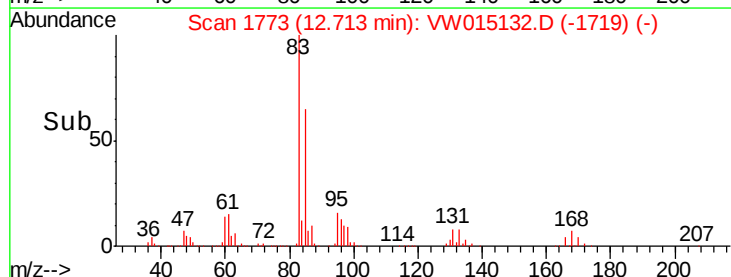
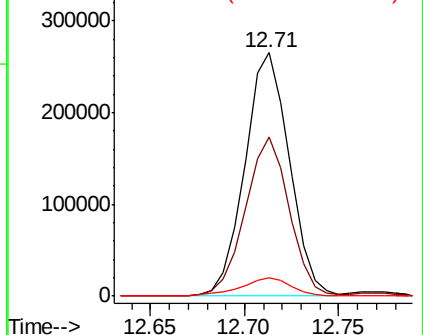
131 7.8 5.9 8.9

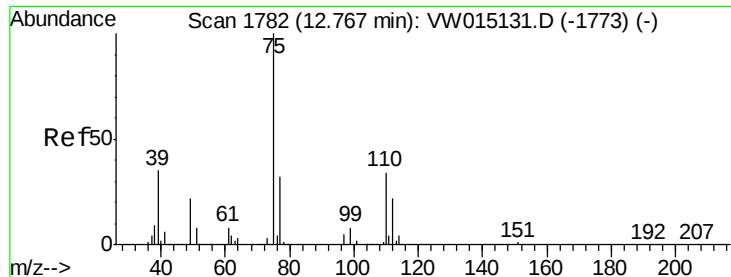


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 50.297 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015132.D

Acq: 25 Mar 2020 10:55

Instrument :

MSVOA_W

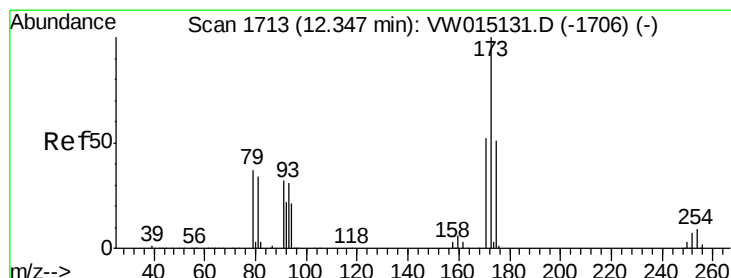
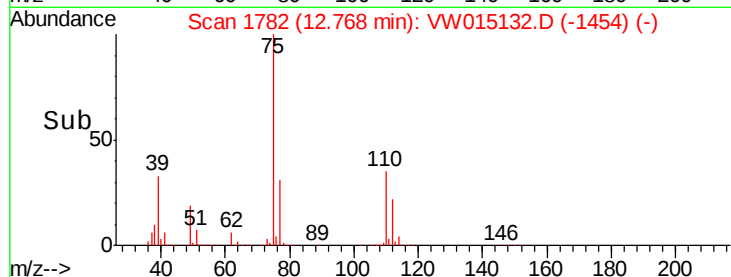
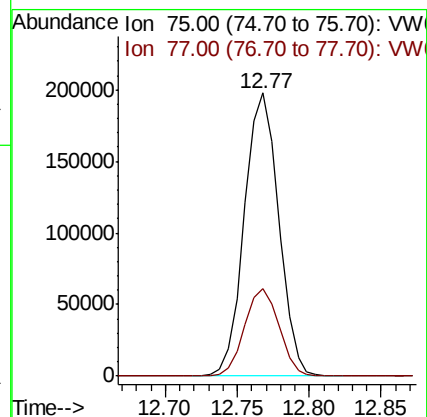
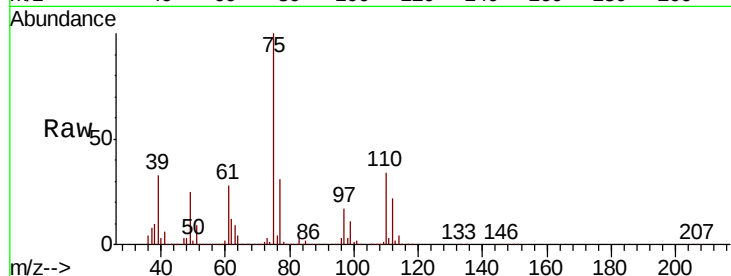
ClientSampled :

Tot Ion: 75 Resp: 327297

Ion Ratio Lower Upper

75 100

77 30.9 25.8 38.6



#62

Bromoform

Concen: 52.350 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW015132.D

Acq: 25 Mar 2020 10:55

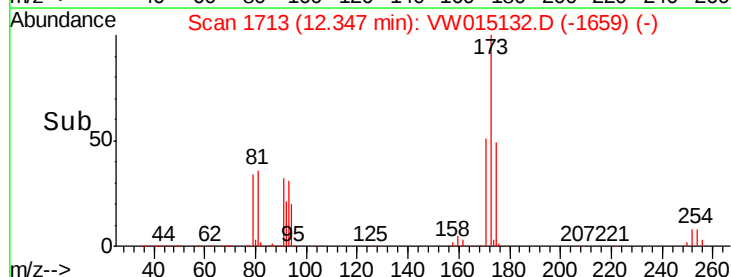
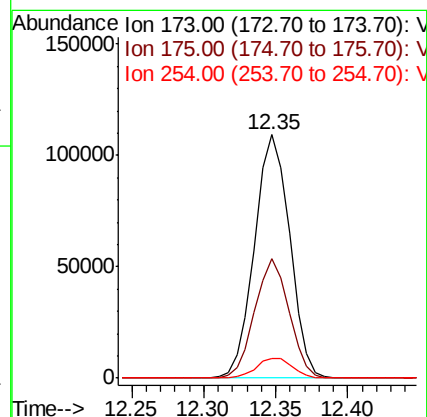
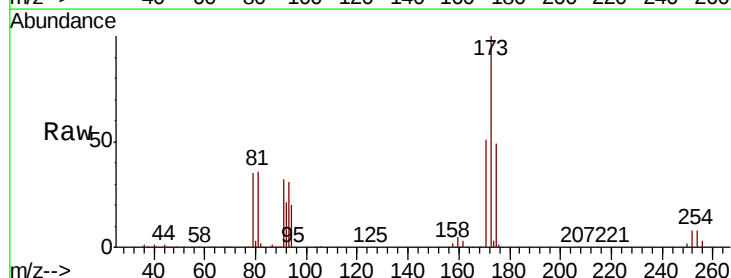
Tgt Ion: 173 Resp: 184693

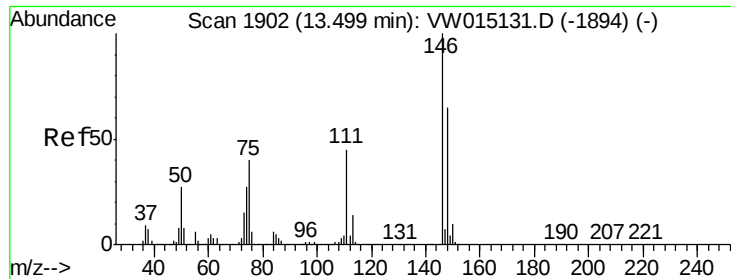
Ion Ratio Lower Upper

173 100

175 47.7 38.0 57.0

254 8.4 6.5 9.7

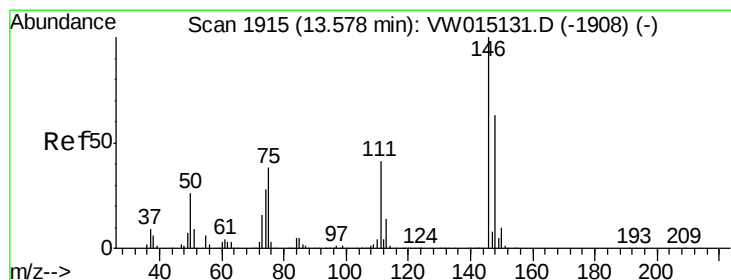
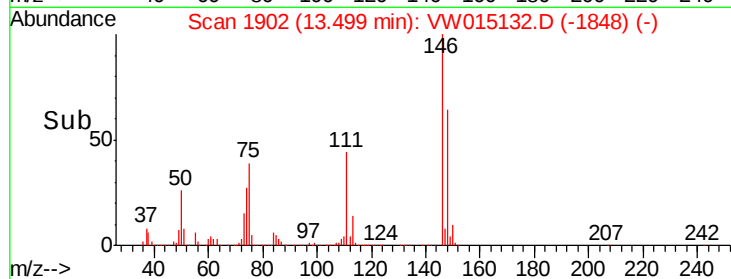
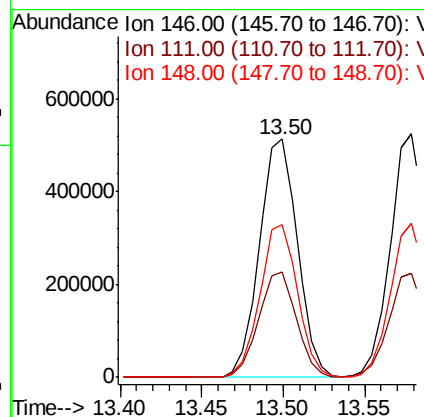
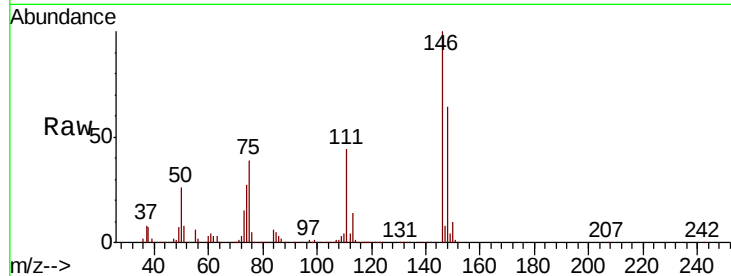




#63
 1,3-Dichlorobenzene
 Concen: 51.526 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015132.D
 Acq: 25 Mar 2020 10:55

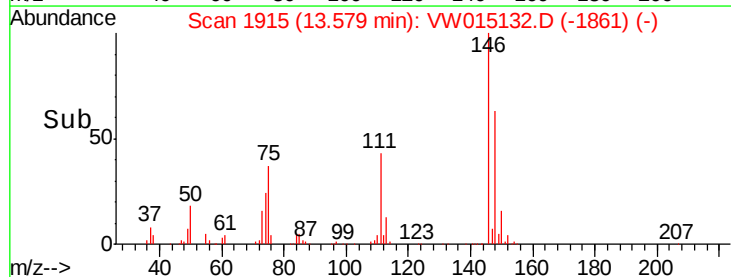
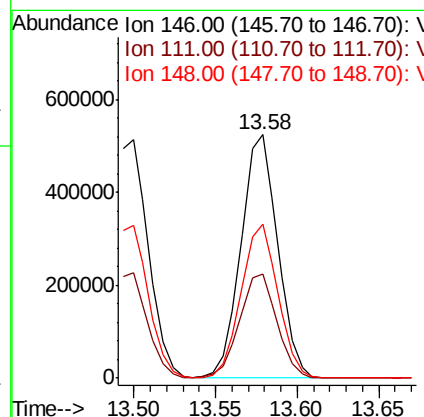
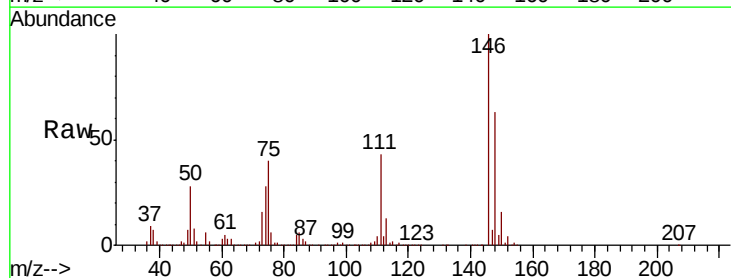
Instrument :
 MSVOA_W
 ClientSampleId :

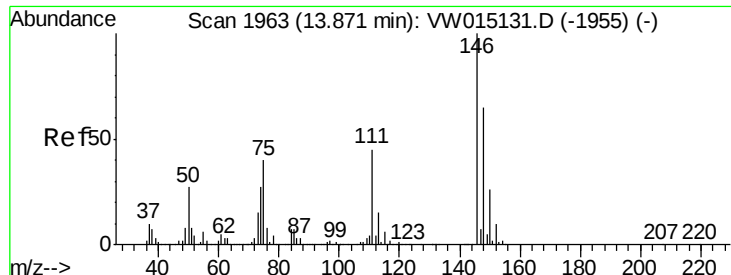
Tot Ion:146 Resp: 834492
 Ion Ratio Lower Upper
 146 100
 111 44.5 31.9 59.2
 148 63.9 45.2 84.0



#64
 1,4-Dichlorobenzene
 Concen: 49.311 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015132.D
 Acq: 25 Mar 2020 10:55

Tgt Ion:146 Resp: 824888
 Ion Ratio Lower Upper
 146 100
 111 42.6 28.8 53.4
 148 63.2 44.0 81.6

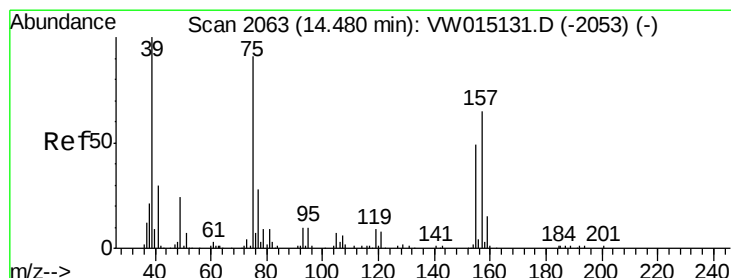
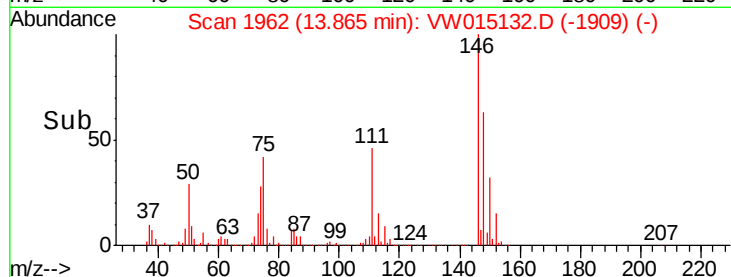
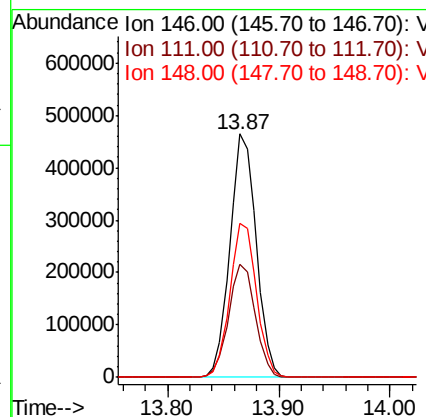
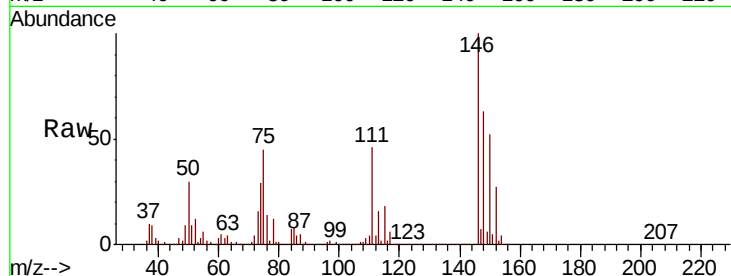




#65
 1,2-Dichlorobenzene
 Concen: 51.449 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW015132.D
 Acq: 25 Mar 2020 10:55

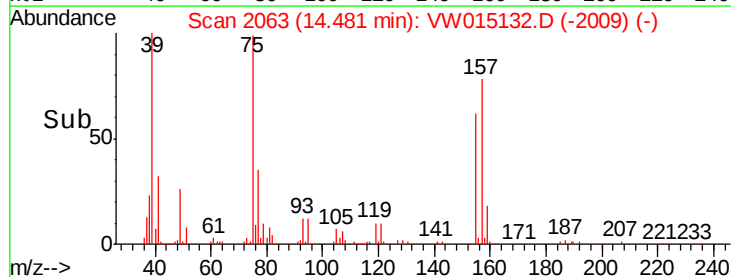
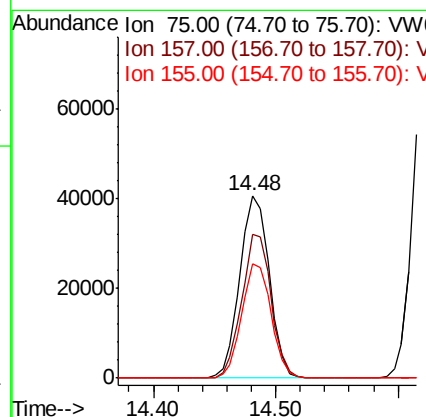
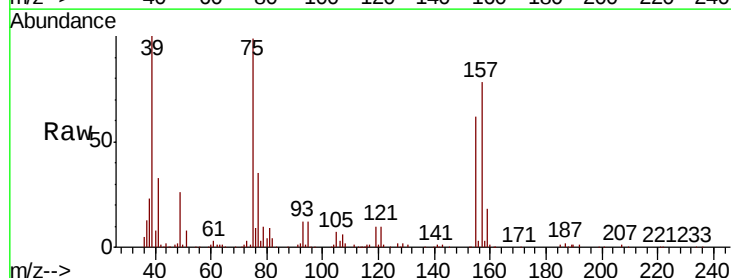
Instrument :
 MSVOA_W
 ClientSampled :

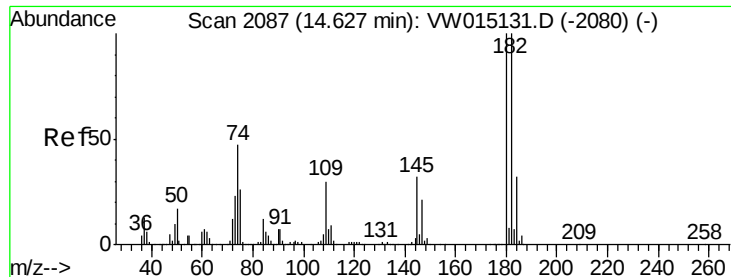
Tot Ion	Ratio	Lower	Upper
146	100		
111	46.2	35.8	53.8
148	63.1	52.3	78.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 51.795 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW015132.D
 Acq: 25 Mar 2020 10:55

Tgt Ion	Ratio	Lower	Upper
75	100		
157	79.0	57.3	85.9
155	62.6	43.2	64.8

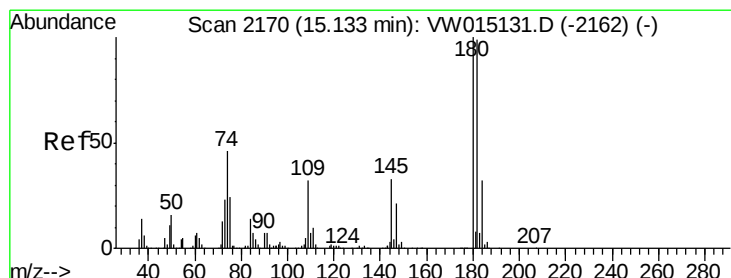
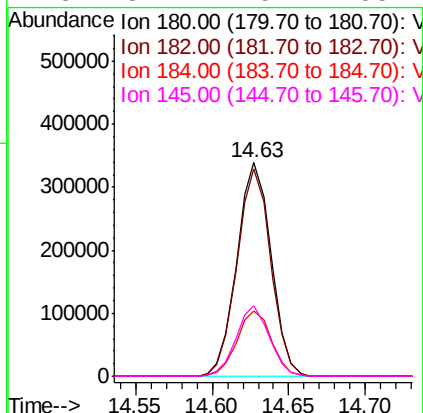
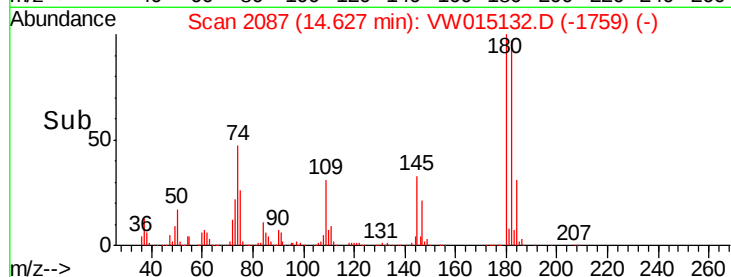
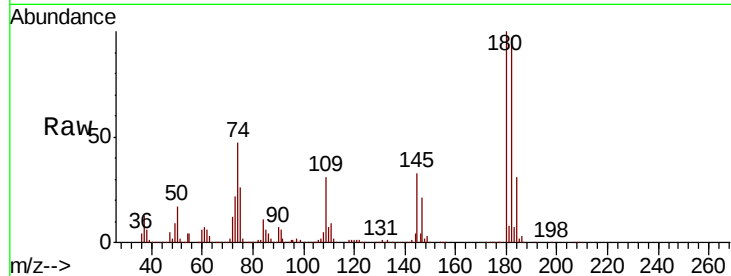




#67
 1,3,5-Trichlorobenzene
 Concen: 48.936 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW015132.D
 Acq: 25 Mar 2020 10:55

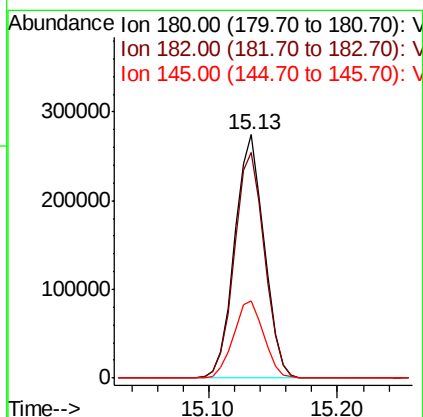
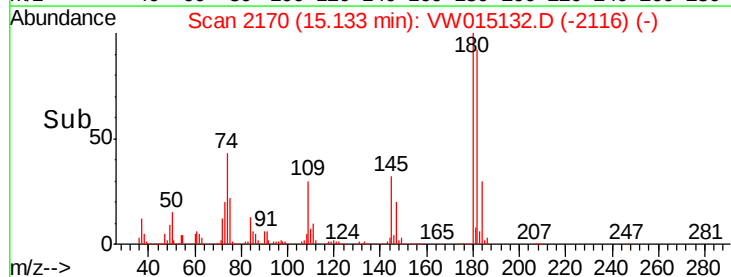
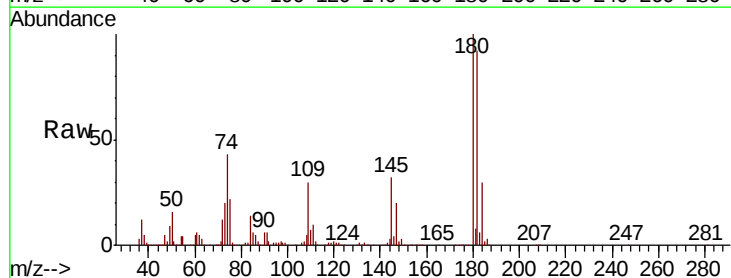
Instrument :
 MSVOA_W
 ClientSampleId :

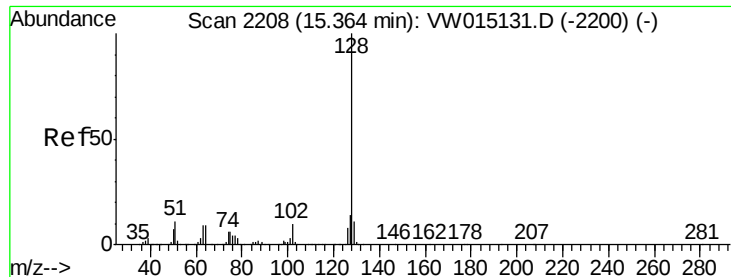
Tot Ion:	180	Resp:	525118
Ion	Ratio	Lower	Upper
180	100		
182	96.0	77.0	115.6
184	30.7	24.0	36.0
145	32.1	25.4	38.2



#68
 1,2,4-trichlorobenzene
 Concen: 55.197 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015132.D
 Acq: 25 Mar 2020 10:55

Tgt Ion:	180	Resp:	437434
Ion	Ratio	Lower	Upper
180	100		
182	94.5	75.8	113.6
145	32.7	25.8	38.6





#69

Naphthalene

Concen: 104.273 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW015132.D

Acq: 25 Mar 2020 10:55

Instrument :

MSVOA_W

ClientSampleId :

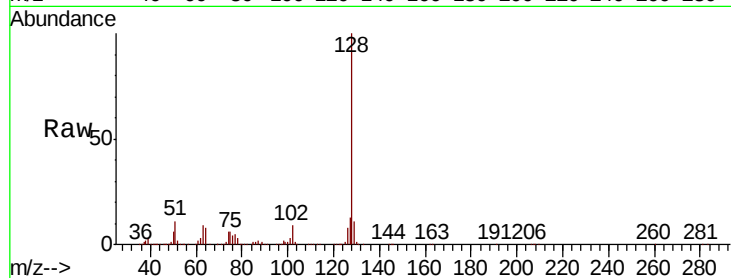
Tot Ion:128 Resp: 933493

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

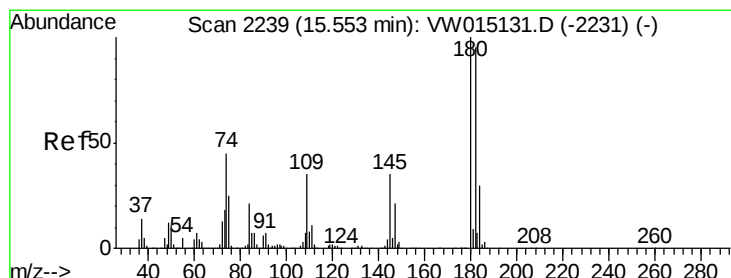
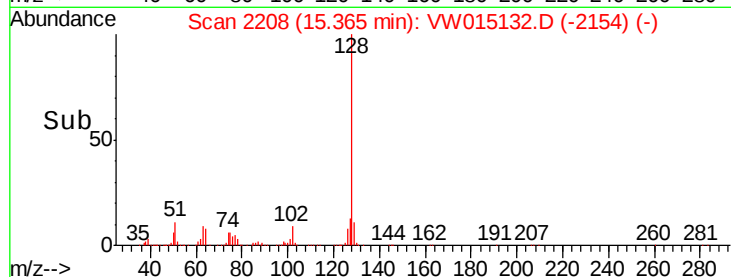
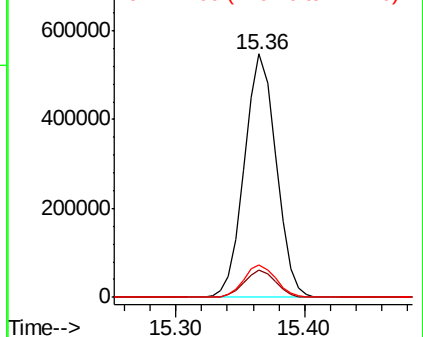
127 13.4 11.0 16.4



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: 55.633 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW015132.D

Acq: 25 Mar 2020 10:55

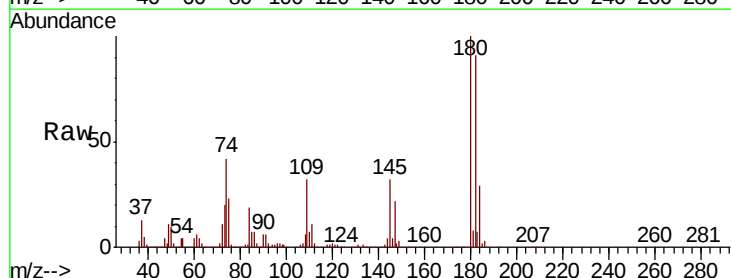
Tgt Ion:180 Resp: 396939

Ion Ratio Lower Upper

180 100

182 93.0 75.9 113.9

145 33.9 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

